Master (IP/CO-IP password), harvest the freedom of enrichment!

Universal & Convenient Immunoprecipitation (IP/Co-IP) Tools

As a supplier for cytology and proteomics research reagents, Abbkine has developed a series of high quality products for IP/Co-IP applications, including Universal IP/Co-IP Toolkit, IPKine™ Anti-Tag Magnetic IP kit, IPKine™ secondary antibody, Agarose/Magnetic Beads conjugated tag antibody, etc. Facing with the pain points of traditional IP/Co-IP experiments, it makes IP/Co-IP experiments simplier, efficient and convenient to meet your different experimental needs and help your protein research career.

Based on the pain points of traditional IP/Co-IP experiments, such as complicated and time-consuming operation, wide variety of reagents, poor stability and reliability of experimental results, Abbkine developed a universal standardized IP/Co-IP toolkit, which can meet the needs of most users for IP/Co-IP. It is a favorable choice for IP/CO-IP experiments.

Ordering information: KTD104-EN / KTD105-EN | Size: 20T

- Universal IP/Co-IP Toolkit (Magnetic Beads/ Agarose) Exclusive
- IPKine™ Anti-Tag Magnetic IP kit
- Conjugated Tag Antibodies/Primary Antibodies
- IPKine™ Secondary Antibodies/Enhanced Antibody Dilution Buffer HOT

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Universal IP/Co-IP Toolkit

Exclusive

Immunoprecipitation is a method for small-scale affinity purification of antigens using specific antibodies immobilized on solid-phase supports of magnetic or agarose beads. As an important part of protein research, IP can be used to detect the presence, relative abundance, up and down regulation, stability, and interactions of protein.

Features & Advantages of Universal IP/Co-IP Toolkit

- Convenient and universal-It contains the necessary reagent components for IP and Co-IP experiments, and optimized denatured and non-denatured lysates to meet the needs of IP/Co-IP or WB samples.
- Reliable and stable-Including ready-to-use IP negative control, which can exclude the non-specific combination of IgG itself and target protein or other specific biological molecules to ensure the specificity of IP antibody; Contains unique IPkine™ secondary antibody, perfect elimination of heavy chain interference.
- High efficiency-High antibody binding ability and low protein non-specific adsorption rate, save antibody dosage.

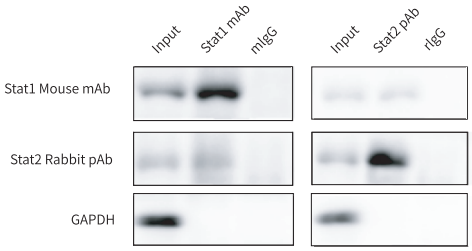

Fig.1 Protein was extracted from the non-denaturing Lysis Buffer, then it was verified by Co-IP. While the whole cell lysates (Input) and Co-IP samples were validated with Stat1 monoclonal antibody, Stat2 polyclonal antibody, and GAPDH monoclonal antibody respectively by WB.

Ordering Information

Product Name	Universal IP/Co-IP Toolkit (Magnetic Beads)	Universal IP/Co-IP Toolkit (Agarose)
Components	Protein A/G Magnetic Beads (0.45 mL)	Protein A/G Agarose (0.45 mL)
	Non-Denaturing Lysis Buffer (25 mL)	
	Denaturing Lysis Buffer (25 mL)	
	20×Wash Buffer (20 mL)	
	Elution Buffer (2 mL)	
	Neutralization Buffer (0.2 mL)	
	100×Proteinase Inhibitor Cocktail (0.2 mL)	
	Mouse IgG (1 mg/mL) (30 μL)	
	Rabbit IgG (1 mg/mL) (30 μL)	
	IPKine™ HRP, Goat Anti-Mouse IgG LCS (30 μL)	
	IPKine™ HRP, Mouse Anti-Rabbit IgG LCS (30 μL)	
Cat. No.	KTD104-EN	KTD105-EN
Size	20 T	20 T

Universal IP/Co-IP Toolkit (Magnetic Beads/Anti-Mouse/Anti-Rabbit)

Differences between this products and KTD104-CN (Details are shown in the table below) :

1. For 20 T size, provide more magnetic beads to 0.5 mL (about 25 T).
2. Negative control Mouse IgG/Rabbit IgG and IP secondary antibody were reduced to one (anti-mouse/anti-rabbit), More accurate subdivision of experimental scenes, improve the cost performance.
3. Leave out Denaturing Lysis Buffer, simplify kit components, and improve availability.

Components	KTD104-CN/EN	KTI1010-CN/EN	KTI1020-CN/EN
	Universal IP/Co-IP Toolkit (Magnetic Beads)	Universal IP/Co-IP Toolkit (Magnetic Beads/Anti-Mouse)	Universal IP/Co-IP Toolkit (Magnetic Beads/Anti-Rabbit)
Non-Denaturing Lysis Buffer	25 mL	25 mL	25 mL
Denaturing Lysis Buffer	25 mL	x	x
20×Wash Buffer	20 mL	20 mL	20 mL
Protein A/G Magnetic Beads	0.45 mL	0.5 mL	0.5 mL
Elution Buffer	2 mL	2 mL	2 mL
Neutralization Buffer	0.2 mL	0.2 mL	0.2 mL
100×Proteinase Inhibitor Cocktail	0.2 mL	0.2 mL	0.2 mL
Mouse IgG (1 mg/mL)	30 μL	30 μL	X
Rabbit IgG (1 mg/mL)	30 μL	X	30 μL
IPKine™ HRP, Goat Anti-Mouse IgG LCS	30 μL	30 μL	X
IPKine™ HRP, Mouse Anti-Rabbit IgG LCS	30 μL	X	30 μL

Ordering Information

Product Name	Applications	Cat. No.	Size	Price
Universal IP/Co-IP Toolkit (Magnetic Beads/Anti-Mouse)	IP, Co-IP	KTI1010-EN	20 T	$139
Universal IP/Co-IP Toolkit (Magnetic Beads/Anti-Rabbit)	IP, Co-IP	KTI1020-EN	20 T	$139

IPKine™ Anti-Tag Magnetic IP Kit

Based on the development of the Universal IP/Co-IP Toolkit, Abbkine introduced a series of magnetic beads Conjugated Tag Antibody and further developed IPKine ™ Anti-Tag Magnetic IP Kit with a variety of labels. Provide necessary reagent in IP process, Including Non-Denaturing Lysis Buffer, anti-Tag Magnetic Beads, negative control of Mouse/Rabbit IgG labelled magnetic beads, SDS-PAGE Loading Buffer, Competitive polypeptide and so on. Complete components, make your IP/Co-IP experiment more easiler and save time.

Features & Advantages

- **High efficiency:** High specificity, high binding amount of target protein, 1 mL magnetic Beads binding exceeded 0.6 mg label fusion protein.
- **Convenient:** Can specifically bind various forms of label proteins, including N terminal, C terminal.
- **Universal:** Provide all necessary buffers for IP experiments, including Non-Denaturing Lysis Buffer, etc.
- **Reliable:** Provide a negative control for IgG, which can exclude non-specific binding.
- **Flexible:** The kit offers multiple elution methods: peptide competitive elution, acid elution, and SDS-PAGE loading buffer elution.

Experimental Results

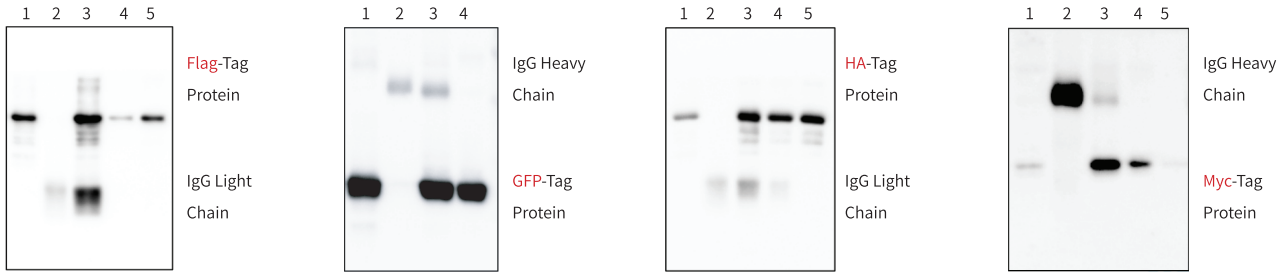

Fig.2 From left to right, strip results of IP experiments performed by IPKine ™ Anti Flag/GFP/HA/Myc tag Magnetic IP Kit. Lane 1, Input; lane 2, mIgG MGB denaturing elution; lane 3, label MGB denaturing elution; lane 4, label MGB acid elution; lane 5, label MGB peptide competitive elution. It indicates that the kit can be enriched with corresponding label proteins by various elution methods.

Ordering Information

Product Name	Applications	Cat. No.	Size
IPKine™ Anti-DDDDK Magnetic IP Kit	IP, Co-IP	KTI2014	20 T/100 T
IPKine™ Anti-GFP Magnetic IP Kit	IP, Co-IP	KTI2024	20 T/100 T
IPKine™ Anti-GST Magnetic IP Kit	IP, Co-IP	KTI2034	20 T/100 T
IPKine™ Anti-HA Magnetic IP Kit	IP, Co-IP	KTI2044	20 T/100 T
IPKine™ Anti-Myc Magnetic IP Kit	IP, Co-IP	KTI2064	20 T/100 T

Not Only Providing Universal & Convenient IP/Co-IP Toolkit

Abbkine also supplies other protein research tools related with IP/Co-IP Toolkit, such as conjugated tag antibodies, IPKine series heavy/light chain specific secondary antibodies and primary antibodies.

Conjugated Tag Antibody

Abbkine provides a set of monoclonal and polyclonal tag antibodies with high specificity and multiple applications, such as GFP tag, His tag, HA tag, DDDDK (Flag) tag, Myc tag, etc. which can meet your different experiment needs.

Product Name	Applications	Cat. No.	Size
Agarose Conjugated Anti-DDDDK Tag Mouse Monoclonal Antibody(1B10)	IP	ABT2013	1 mL/5 mL
Magnetic Beads Conjugated Anti-DDDDK Tag Mouse Monoclonal Antibody(1B10)	IP	ABT2014	1 mL/5 mL
Agarose Conjugated Anti-HA Tag Mouse Monoclonal Antibody(4F6)	IP	ABT2043	1 mL/5 mL
Magnetic Beads Conjugated Anti-HA Tag Mouse Monoclonal Antibody(4F6)	IP	ABT2044	1 mL/5 mL
Agarose Conjugated Anti-His Tag Mouse Monoclonal Antibody(5C3)	IP	ABT2053	1 mL/5 mL
Magnetic Beads Conjugated Anti-His Tag Mouse Monoclonal Antibody(5C3)	IP	ABT2054	1 mL/5 mL
Agarose Conjugated Anti-Myc Tag Mouse Monoclonal Antibody(2D5)	IP	ABT2063	1 mL/5 mL
Magnetic Beads Conjugated Anti-Myc Tag Mouse Monoclonal Antibody(2D5)	IP	ABT2064	1 mL/5 mL
Agarose Conjugated Anti-V5 Tag Mouse Monoclonal Antibody(11D5)	IP	ABT2173	1 mL/5 mL
Magnetic Beads Conjugated Anti-V5 Tag Mouse Monoclonal Antibody(11D5)	IP	ABT2174	1 mL/5 mL
Anti-DDDDK Tag Mouse Monoclonal Antibody (1B10)	WB, IF, IP	ABT2010	50 μL/200 μL/200 μL×5
Anti-HA Tag Mouse Monoclonal Antibody (4F6)	WB, IF, IP	ABT2040	50 μL/200 μL/200 μL×5
Anti-His Tag Mouse Monoclonal Antibody (5C3)	WB, IF, IP	ABT2050	50 μL/200 μL/200 μL×5
Anti-Myc Tag Mouse Monoclonal Antibody (2D5)	WB, IF, IP	ABT2060	50 μL/200 μL/200 μL×5

Primary Antibody

Abbkine hot selling primary antibodies cover the most of popular and important research fields including signaling pathways, neuroscience, cytoskeleton, epigenetics, etc. The applications listed on product page have been validated by Abbkine scientist which is reliable. Primary antibody can be used to detect endogenous proteins and its applicable research fields include cardiovascular research, epigenetics, neuroscience, metabolomics, cancer, cell biology, etc.

Product Name	Applications	Cat. No.	Size
NFκB-p65 (phospho Ser536) Polyclonal Antibody	WB, IHC-P, IF, ELISA, IP	ABP0043	100 μL
NFkB p65 Monoclonal Antibody	WB, IHC-P, IP	ABM0017	100 μL
Caspase 9 Monoclonal Antibody	WB, IF, IHC-P, IP	ABM0028	100 μL
GSK3β (phospho Ser9) Polyclonal Antibody	WB, IF, IHC-P, ELISA, IP	ABP0037	100 μL

IPKine™ Secondary Antibodies

In IP experiment, the detection result of our target protein with a molecular weight of 25 kDa or 50 kDa is often interfered by the light chain or heavy chain of antibody IgG. Abbkine IPKine™ series products can effectively solve the problem of light/heavy chain interference and bring you perfect experiment results.

- Less background noise, clearest target band, excellent signal-to-noise ratio.
- Excellent to avoid interference of antibody heavy/light chains.
- Simple to use, no additional steps or reagents are required.
- Minimized cross-reactivity with IgG of other species as well.
- Trail package size available and high cost-performance.

Product Name	Applications	Cat. No.	Size
IPKine™ HRP, Goat Anti-Mouse IgG LCS	IP, WB	A25012	100 μL/500 μL
IPKine™ HRP, Mouse Anti-Rabbit IgG LCS	IP, WB	A25022	100 μL/500 μL
IPKine™ HRP, Goat Anti-Mouse IgG HCS	IP, WB	A25112	100 μL/500 μL
IPKine™ HRP, Mouse Anti-Rabbit IgG HCS	IP, WB	A25122	100 μL/500 μL
IPKine™ HRP, Goat Anti-Rabbit IgG HCS	IP, WB	A25222	100 μL/500 μL

But also offering patent formula SuperKine™ Enhanced Antibody Dilution Buffer

SuperKine™ Enhanced Antibody Dilution Buffer HOT

This product can be used for the dilution and preparation of primary or secondary antibodies, after adding enhancers, blocking reagents and stabilizers for antibody binding reaction, it can also significantly enhance the immune signal and reduce non-specific binding to obtain better results. Abbkine SuperKine™Enhanced Antibody Dilution Buffer can be used repeatedly which saves antibody. This product does not contain protein, phosphate, sodium azide or thimerosal preservatives and can be used to dilute most of antibodies including HRP, AP labeled antibody.

Ordering information: BMU103-EN Price / Size: $59/100 mL | $179/500 mL

Application for free sample

Product Name	Cat. No.	Size
SuperKine™ Enhanced Antibody Dilution Buffer	BMU103-EN-s	20 mL

Abbkine Scientific Ltd

As the world' s unique cell and protein product portfolio supplier, we provide basic tools and solutions in the fields of protein extraction and purification, immunoassays, cell culture separation, and metabolic analysis. Abbkine is committed to customer' s success and excellence.

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.