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His-tag Polyclonal Antibody

Cat #: ABP50077 Size: 30μl /100μl /200μl

Product Information

	Product Name: His-tag Polyclonal Antibody		
	Applications: WB, ELISA		**Isotype:** Rabbit IgG
	Reactivity: All Species Expected		
REF	**Catalog Number:** ABP50077	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

Background: The his-tag is a series of six to nine histidine residues generally fused to either the carboxy or amino terminus of a recombinant protein. The small size of the his-tag, compared with other common epitope tags, makes it less likely to obstruct the target protein's structure or function and more suitable to use under denaturing conditions. The string of histidine residues binds to several types of immobilized metal ions, including nickel, cobalt and copper. The binding to metal ions under specific buffer conditions, allows for the simple purification and detection of his-tagged proteins.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:3000), ELISA (1:20000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.05% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

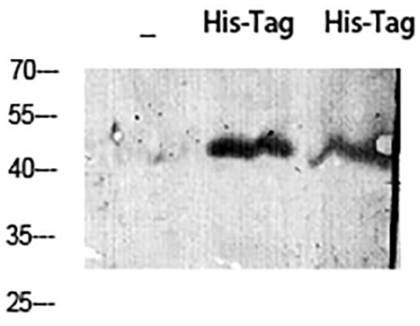

Fig.1. Western Blot analysis using His-tag Polyclonal Antibody against HEK293 cells transfected with vector overexpressing His tag (1) and untransfected (2) . Antibody was diluted at 1:2000. Secondary Antibody was diluted at 1:20000.

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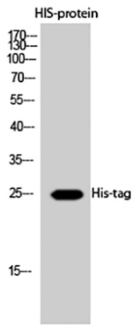	Fig.2. Western Blot analysis of HIS-protein cells using His-tag Polyclonal Antibody diluted at 1:2000. Secondary Antibody was diluted at 1:20000.

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