

**HDPTP Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55991****Specification**

---

**HDPTP Polyclonal Antibody - Product Information**

Application	FC, IHC-P
Primary Accession	<a href="#">Q9H3S7</a>
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	178974

**HDPTP Polyclonal Antibody - Additional Information****Gene ID** 25930**Other Names**

Tyrosine-protein phosphatase non-receptor type 23, 3.1.3.48, His domain-containing protein tyrosine phosphatase, HD-PTP, Protein tyrosine phosphatase TD14, PTP-TD14, PTPN23, KIAA1471

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**HDPTP Polyclonal Antibody - Protein Information****Name** PTPN23**Synonyms** KIAA1471**Function**

Plays a role in sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs) via its interaction with the ESCRT-I complex (endosomal sorting complex required for transport I), and possibly also other ESCRT complexes (PubMed:<a href="http://www.uniprot.org/citations/18434552" target="\_blank">18434552</a>, PubMed:<a href="http://www.uniprot.org/citations/21757351" target="\_blank">21757351</a>). May act as a negative regulator of Ras-mediated mitogenic activity (PubMed:<a href="http://www.uniprot.org/citations/18434552" target="\_blank">18434552</a>). Plays a role in ciliogenesis (PubMed:<a href="http://www.uniprot.org/citations/20393563" target="\_blank">20393563</a>).

**Cellular Location**

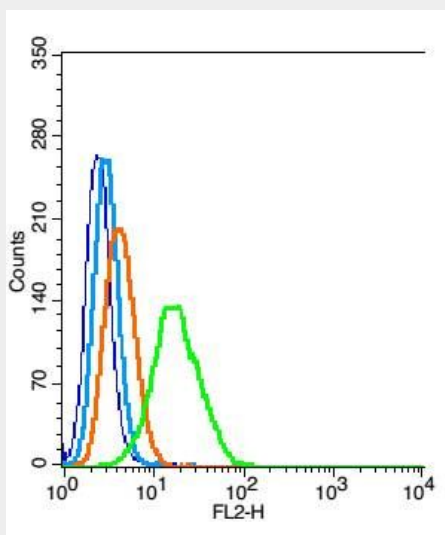
Nucleus. Cytoplasm. Cytoplasmic vesicle. Endosome. Cytoplasm, cytoskeleton, cilium basal body. Early endosome

## HDPTP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

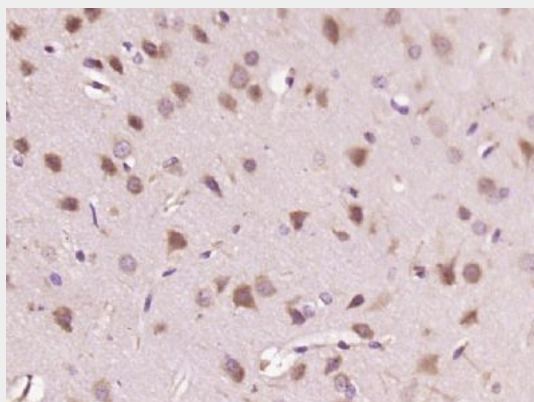
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## HDPTP Polyclonal Antibody - Images



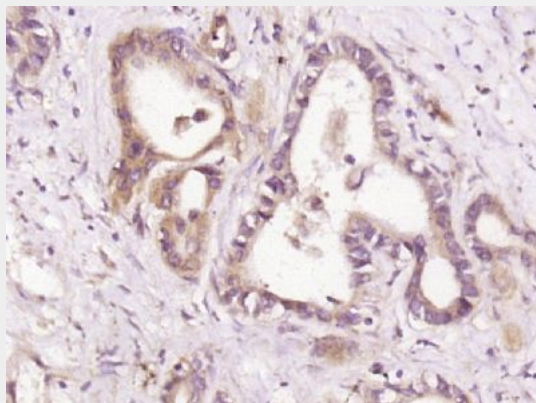
Blank control: Hela(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice..

Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1  $\mu$ g in 100  $\mu$ L 1X PBS containing 0.5% BSA(green).



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with

(HDPTP) Polyclonal Antibody, Unconjugated (bs-15434R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HDPTP) Polyclonal Antibody, Unconjugated (bs-15434R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.