

PIIP5K2/HISPPD1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57850**Specification**

PIIP5K2/HISPPD1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O43314
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	140407

PIIP5K2/HISPPD1 Polyclonal Antibody - Additional Information**Gene ID** 23262**Other Names**

Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2, 2.7.4.21, 2.7.4.24, Diphosphoinositol pentakisphosphate kinase 2, Histidine acid phosphatase domain-containing protein 1, InsP6 and PP-IP5 kinase 2, VIP1 homolog 2, hsVIP2, PPIP5K2 {ECO:0000303|PubMed:29590114, ECO:0000312|HGNC:HGNC:29035}

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.

PIIP5K2/HISPPD1 Polyclonal Antibody - Protein Information**Name** PPIP5K2 {ECO:0000303|PubMed:29590114, ECO:0000312|HGNC:HGNC:29035}**Function**

Bifunctional inositol kinase that acts in concert with the IP6K kinases IP6K1, IP6K2 and IP6K3 to synthesize the diphosphate group-containing inositol pyrophosphates diphosphoinositol pentakisphosphate, PP-InsP5, and bis-diphosphoinositol tetrakisphosphate, (PP)2-InsP4 (PubMed:17690096, PubMed:17702752, PubMed:21222653, PubMed:29590114). PP-InsP5 and (PP)2-InsP4, also respectively called InsP7 and InsP8, regulate a variety of cellular processes, including apoptosis, vesicle trafficking, cytoskeletal dynamics, exocytosis, insulin signaling and neutrophil activation (PubMed:17690096, PubMed:17702752, PubMed:21222653, PubMed:29590114).

target="_blank">29590114). Phosphorylates inositol hexakisphosphate (InsP6) at position 1 to produce PP-InsP5 which is in turn phosphorylated by IP6Ks to produce (PP)2-InsP4 (PubMed:17690096, PubMed:17702752). Alternatively, phosphorylates PP-InsP5 at position 1, produced by IP6Ks from InsP6, to produce (PP)2-InsP4 (PubMed:17690096, PubMed:17702752). Required for normal hearing (PubMed:29590114).

Cellular Location

Cytoplasm, cytosol.

PIIP5K2/HISPPD1 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](#)

PIIP5K2/HISPPD1 Polyclonal Antibody - Images