

HISPPD1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13759**Specification**

HISPPD1 antibody - middle region - Product Information

Application	WB
Primary Accession	O43314
Other Accession	NM_015216 , NP_056031
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse
Clonality	Rabbit
Calculated MW	Polyclonal 138kDa KDa

HISPPD1 antibody - middle region - Additional Information**Gene ID** 23262**Alias Symbol** **FLJ21506, KIAA0433, PPIP5K2, VIP2, IP7K2, HISPPD1****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, HISPPD1, KIAA0433, VIP2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HISPPD1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HISPPD1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

HISPPD1 antibody - middle region - 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). 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

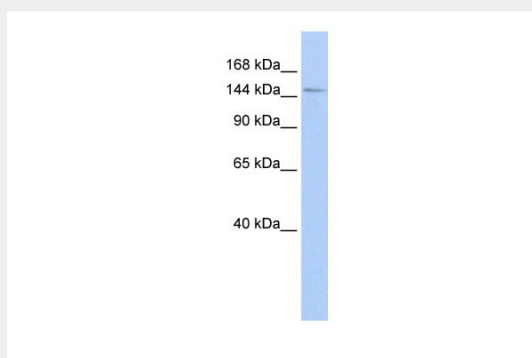
Cytoplasm, cytosol.

HISPPD1 antibody - middle region - 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](#)

HISPPD1 antibody - middle region - Images



WB Suggested Anti-HISPPD1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: Transfected 293T

HISPPD1 antibody - middle region - References

Ishikawa K., et al. DNA Res. 4:307-313(1997).

Nakajima D.,et al.DNA Res. 9:99-106(2002).

Schmutz J.,et al.Nature 431:268-274(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Fridy P.C.,et al.J. Biol. Chem. 282:30754-30762(2007).