



Rabbit Anti-HISPPD2A/IP6 Kinase antibody

SL17407R

Product Name:	HISPPD2A/IP6 Kinase
Chinese Name:	组氨酸酸性磷酸酶结构域蛋白2A抗体
Alias:	Histidine acid phosphatase domain-containing protein 2A; hsVIP1; Inositol hexakisphosphate and diphosphoinositol pentakisphosphate kinase 1; Inositol pyrophosphate synthase 1; InsP6 and PP IP5 kinase 1; IP6 kinase; IP6K; IPS1; PP IP5 kinase 1; PPIP5K1; VIP1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	159kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HISPPD2A:661-760/1433
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This gene encodes a dual functional inositol kinase. The encoded enzyme converts inositol hexakisphosphate to diphosphoinositol pentakisphosphate and diphosphoinositol pentakisphosphate to bis-diphosphoinositol tetrakisphosphate. This protein may be important for intracellular signaling pathways. Alternate splicing results

in multiple transcript variants. A pseudogene of this gene is found on chromosome 15.[provided by RefSeq, Jun 2010]

Function:

Bifunctional inositol kinase that catalyzes the formation of diphosphoinositol pentakisphosphate (InsP7 or PP-InsP5) and bi-diphosphoinositol tetrakisphosphate (InsP8 or PP2-InsP4). Converts inositol hexakisphosphate (InsP6) to InsP7. Also able to convert InsP7 to InsP8. Probably specifically mediates the formation of 4PP-InsP5 and 6PP-InsP5 InsP7 isomers but not of 5PP-IP5 InsP7 isomer. Activated when cells are exposed to hyperosmotic stress.

Subcellular Location:

Cytoplasm, cytosol.

Tissue Specificity:

Widely expressed, with a higher expression in skeletal muscle, heart and brain.

Similarity:

Belongs to the histidine acid phosphatase family. VIP1 subfamily.

SWISS:

Q6PFW1

Gene ID:

9677

Database links:

[Entrez Gene: 9677](#) Human

[Omim: 610979](#) Human

[SwissProt: Q6PFW1](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.