

Rabbit anti-Human PPIP5K2 Polyclonal Antibody | anti-PPIP5K2 antibody

Anti-PPIP5K2 Antibody, Rabbit Polyclonal

CATALOG # AAA256718	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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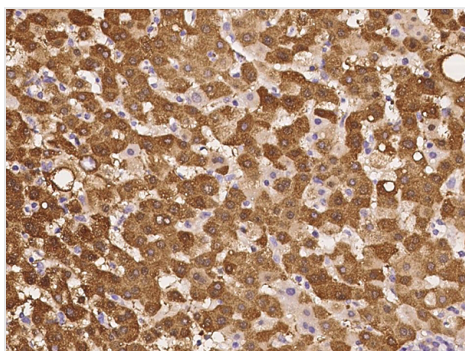
PRODUCT SYNONYMS

PPIP5K2; Polyclonal Antibody; Anti-PPIP5K2 Antibody; Rabbit Polyclonal; PPIP5K2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CFAP160 Antibody; Anti-HISPPD1 Antibody; Anti-IP7K2 Antibody; Anti-VIP2 Antibody; anti-PPIP5K2 antibody

PRODUCT SPECIFICATIONS

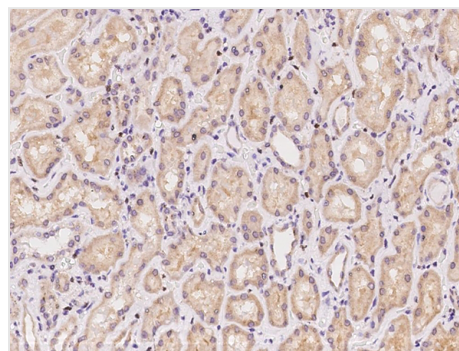
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PPIP5K2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PPIP5K2 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PPIP5K2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PPIP5K2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human PPIP5K2 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PPIP5K2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PPIP5K2 antibody	The diphosphoinositol pentakisphosphate kinase 2 (PPIP5K2) plays critical roles in cell signaling and bioenergetic homeostasis. PPIP5K2 is remarkable for the reversible nature of its kinase activity, its unique ligand-stimulated ATPase activity, and the substrate traveling between two ligand-binding sites. PPIP5K2 mediates cellular phosphate homeostasis, since its kinase activity acts as a sensor of extracellular inorganic phosphate levels, dysfunctional PPIP5K2 activity in the inner ear results in hair cell loss and deafness. Mutations in PPIP5K2 gene are associated with hearing loss in human and mouse.
References	Yousaf R, et al. (2018) Mutations in diphosphoinositol-pentakisphosphate kinase ppi5k2 are associated with hearing loss in human and mouse. PLoS Genet 14 (3): e1007297.Wang H, et al. (2014) Synthetic inositol phosphate analogs reveal that ppi5k2 has a surface-mounted substrate capture site that is a target for drug discovery. Chem Biol 21 (5): 689-699.An Y, et al. (2019) Dynamics of substrate processing by ppi5k2, a versatile catalytic machine. Structure 27 (6): 1022-1028.e1022.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ppip5k2-antibody-immunohistochemistry-elisa/256718>