

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

Rabbit anti-PPIP5K2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212527	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

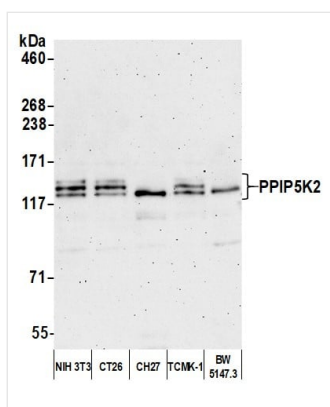
PRODUCT SYNONYMS

PPIP5K2; Polyclonal Antibody; Rabbit anti-PPIP5K2 Antibody; Affinity Purified; IP7K2; VIP1 homolog 2; insP6 and PP-IP5 kinase 2; inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2; inositol heptaphosphate kinase 2; hsVIP2; HISPPD1; Diphosphoinositol pentakisphosphate kinase 2; DFNB100; deafness; autosomal recessive 100; CFAP160; VIP2; histidine acid phosphatase domain-containing protein 1; Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2; diphosphoinositol pentakisphosphate kinase 2; anti-PPIP5K2 antibody

PRODUCT SPECIFICATIONS

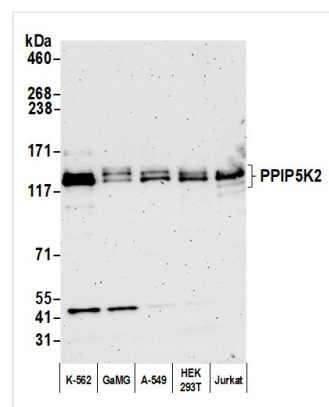
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PPIP5K2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 925 and 975
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



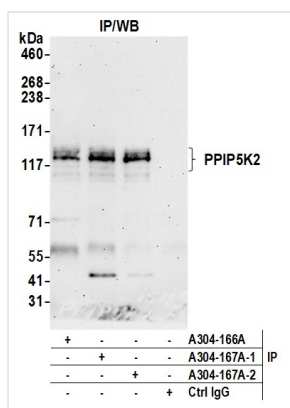
WB (Western Blot)

Detection of mouse PPIP5K2 by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PPIP5K2 antibody (AAA212527 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



WB (Western Blot)

Detection of human PPIP5K2 by western blot. Samples: Whole cell lysate (10 ug) from K-562, GaMG, A-549, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PPIP5K2 antibody (AAA212527 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human PPIP5K2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PPIP5K2 antibody (AAA212527 lot 2) used for IP at 6 ug per reaction. PPIP5K2 was also immunoprecipitated by a previous lot of this antibody (AAA212527 lot 1) and another rabbit anti-PPIP5K2 antibody. For blotting immunoprecipitated PPIP5K2, AAA212527 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-PPIP5K2 antibody

PPIP5K2 is a 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. 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. PPIP5K2 phosphorylates inositol hexakisphosphate (InsP6) at positions 1 or 3 to produce PP-InsP5 which is in turn phosphorylated by IP6Ks to produce (PP)2-InsP4. Alternatively, PPIP5K2 phosphorylates at position 1 or 3 PP-InsP5, produced by IP6Ks from InsP6, to produce (PP)2-InsP4 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/O43314].

Product Categories/Family for anti-PPIP5K2 antibody

Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	23262
UniProt Accession #	O43314
UniProt Protein Name	Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
UniProt Gene Name	PPIP5K2
UniProt Synonym Gene Names	HISPPD1; KIAA0433; VIP2; hsVIP2
UniProt Entry Name	VIP2_HUMAN

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-immunoprecipitation-western-blot-elisa/212527>