

Product datasheet for **TA361074**

INPP5E Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human INPP5E
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	67 kDa
Gene Name:	inositol polyphosphate-5-phosphatase E
Database Link:	NP_063945.2 Entrez Gene 56623 Human Q9NRR6-2



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Background:

The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. Studies of the mouse counterpart suggest that this protein may hydrolyze phosphatidylinositol 3,4,5-trisphosphate and phosphatidylinositol 3,5-bisphosphate on the cytoplasmic Golgi membrane and thereby regulate Golgi-vesicular trafficking. Mutations in this gene cause Joubert syndrome; a clinically and genetically heterogeneous group of disorders characterized by midbrain-hindbrain malformation and various associated ciliopathies that include retinal dystrophy, nephronophthisis, liver fibrosis and polydactyly. Alternative splicing results in multiple transcript variants encoding different isoforms.

Synonyms:

CORS1; JBTS1; MGC117201; MORMS; PPI5PIV

Protein Families:

Druggable Genome

Protein Pathways:

Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:

Host: Rabbit
Target Name: INPP5E
Sample Type: HepG2 Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: INPP5E
Sample Tissue: Human HepG2 Whole Cell lysates
Antibody Dilution: 1ug/ml