

SKIP Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56720

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BT40
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51090

Additional Information

Gene ID	51763
Other Names	Inositol polyphosphate 5-phosphatase K, 3.1.3.56, Phosphatidylinositol-3, 4, 5-trisphosphate 5-phosphatase, 3.1.3.86, Phosphatidylinositol-4, 5-bisphosphate 5-phosphatase, 3.1.3.36, Skeletal muscle and kidney-enriched inositol phosphatase, INPP5K (HGNC:33882)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	INPP5K (HGNC:33882)
Function	Inositol 5-phosphatase which acts on inositol 1,4,5- trisphosphate, inositol 1,3,4,5-tetrakisphosphate, phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate (PubMed: 10753883 , PubMed: 16824732). Has 6-fold higher affinity for phosphatidylinositol 4,5-bisphosphate than for inositol 1,4,5- trisphosphate (PubMed: 10753883). Negatively regulates assembly of the actin cytoskeleton. Controls insulin-dependent glucose uptake among inositol 3,4,5-trisphosphate phosphatases; therefore, is the specific regulator for insulin signaling in skeletal muscle (By similarity).
Cellular Location	Endoplasmic reticulum. Cytoplasm Note=Following stimulation with EGF, translocates to membrane ruffles (PubMed:12536145, PubMed:26940976). Concentrated at the periphery of the nucleus (PubMed:10753883).
Tissue Location	Ubiquitously expressed with highest levels in skeletal muscle, heart and

kidney.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.