

SKIP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56720**Specification**

SKIP Polyclonal Antibody - Product Information

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

SKIP Polyclonal Antibody - 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=33882)
target="_blank">HGNC:33882)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

SKIP Polyclonal Antibody - 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:<http://www.uniprot.org/citations/10753883> target="_blank">10753883, PubMed:<http://www.uniprot.org/citations/16824732> target="_blank">16824732). Has 6-fold higher affinity for phosphatidylinositol 4,5-bisphosphate than for inositol 1,4,5- trisphosphate (PubMed:<http://www.uniprot.org/citations/10753883> target="_blank">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.

SKIP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SKIP Polyclonal Antibody - Images