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INPP5K / SKIP Antibody (aa183-430)

Rabbit Polyclonal Antibody
Catalog # ALS16802

Specification

INPP5K / SKIP Antibody (aa183-430) - Product Information

Application	**IHC, WB**
Primary Accession	Q9BT40
Other Accession	51763
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**51090**

INPP5K / SKIP Antibody (aa183-430) - Additional Information

Gene ID 51763

Other Names
INPP5K, SKIP, PPS

Target/Specificity
Human INPP5K / SKIP.

Reconstitution & Storage
PBS, pH 7.4, 0.02% sodium azide. Store at -20°C for up to one year.

Precautions
INPP5K / SKIP Antibody (aa183-430) is for research use only and not for use in diagnostic or therapeutic procedures.

INPP5K / SKIP Antibody (aa183-430) - 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).

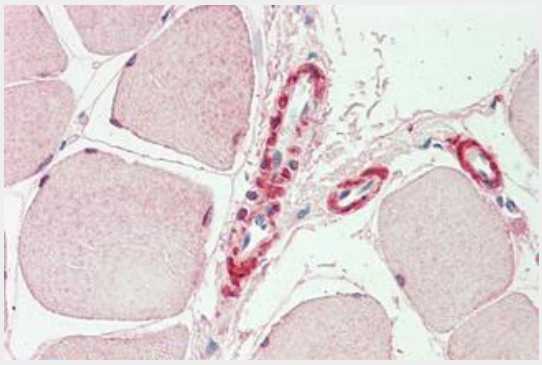
Tissue Location
Ubiquitously expressed with highest levels in skeletal muscle, heart and kidney.

INPP5K / SKIP Antibody (aa183-430) - Protocols

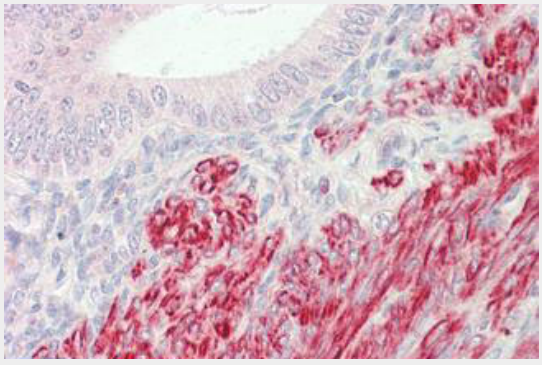
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

INPP5K / SKIP Antibody (aa183-430) - Images

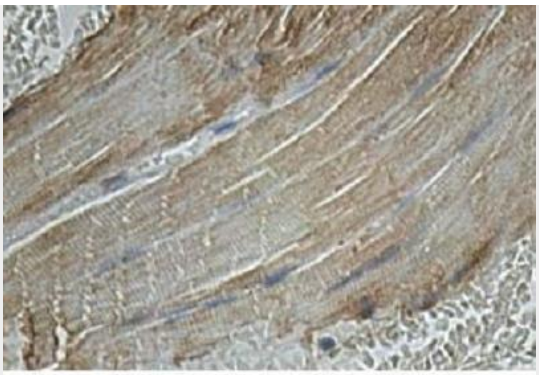


Anti-INPP5K / SKIP antibody IHC staining of human skeletal muscle.

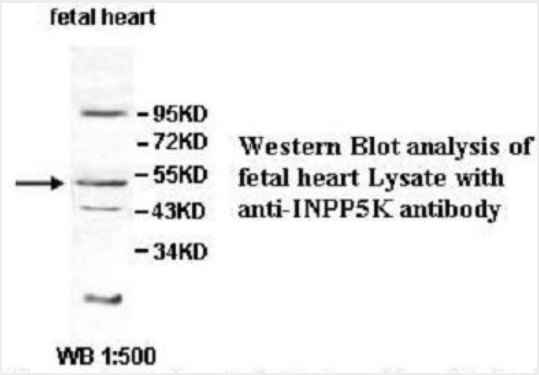


Anti-INPP5K / SKIP antibody IHC staining of human uterus.

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immunohistochemical staining of formalin - fixed paraffin-embedded fetal skeletal



wester blot analysis of fetal heart lysate with anti-inpp5k antibody

INPP5K / SKIP Antibody (aa183-430) - Background

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. Has 6-fold higher affinity for phosphatidylinositol 4,5-bisphosphate than for inositol 1,4,5- trisphosphate. May negatively regulate assembly of the actin cytoskeleton.

INPP5K / SKIP Antibody (aa183-430) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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