SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-SKIP antibody

SL17506R

Product Name:	SKIP
Chinese Name:	SKIP蛋白抗体
Alias:	43 kDa form skeletal muscle and kidney enriched inositol phosphatase; Inositol polyphosphate 5-phosphatase K; INP5K_HUMAN; INPP5K; muscle and kidney-enriched inositol phosphatase; PPS; skeletal muscle and kidney enriched inositol phosphatase; Skeletal muscle and kidney-enriched inositol phosphatase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SKIP:201-300/448
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This gene encodes a protein with 5-phosphatase activity toward polyphosphate inositol. The protein localizes to the cytosol in regions lacking actin stress fibers. It is thought that this protein may negatively regulate the actin cytoskeleton. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by

RefSeq, Oct 2008]

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-triphosphate. 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.

Subcellular Location:
Endoplasmic reticulum. Following stimulation with EGF, translocates to membrane ruffles.

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

Similarity:
Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type II family.

SWISS:
Q9BT40

Gene ID:
51763

Database links:

Entrez Gene: 51763 Human

Entrez Gene: 19062 Mouse

Entrez Gene: 287533 Rat

Omim: 607875 Human

SwissProt: Q9BT40 Human

SwissProt: Q8C5L6 Mouse

Unigene: 632238 Human

Unigene: 1458 Mouse

Unigene: 7440 Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.