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RIPK5 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP7194a

Specification

RIPK5 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q6XUX3

RIPK5 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 25778

Other Names
Dual serine/threonine and tyrosine protein kinase, Dusty protein kinase, Dusty PK, RIP-homologous kinase, Receptor-interacting serine/threonine-protein kinase 5, Sugen kinase 496, SgK496, DSTYK, KIAA0472, RIP5, RIPK5, SGK496

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7194a was selected from the N-terminal region of human RIPK5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RIPK5 Antibody (N-term) Blocking peptide - Protein Information

Name DSTYK

Synonyms KIAA0472, RIP5, RIPK5, SGK496

Function
Acts as a positive regulator of ERK phosphorylation downstream of fibroblast growth factor-receptor activation (PubMed:23862974, PubMed:28157540). Involved in the regulation of both caspase-dependent apoptosis and caspase-independent cell death (PubMed:15178406). In the skin, it plays a predominant role in suppressing caspase-dependent apoptosis in response to UV stress in a range of dermal cell types (PubMed:<a href="http://www.uniprot.org/citations/28157540"

target="_blank">28157540).

Cellular Location
Cytoplasm. Cell membrane {ECO:0000250|UniProtKB:Q6XUX1}. Apical cell membrane. Basolateral cell membrane. Cell junction {ECO:0000250|UniProtKB:Q6XUX1}. Note=Detected at apical cell-cell junctions. Colocalized with FGF receptors to the cell membrane (By similarity). Detected in basolateral and apical membranes of all tubular epithelia. {ECO:0000250|UniProtKB:Q6XUX1, ECO:0000269|PubMed:23862974}

Tissue Location
Predominantly expressed in skeletal muscle and testis. Expressed in basolateral and apical membranes of all tubular epithelia. Expressed in thin ascending limb of the loop of Henle and the distal convoluted tubule. Expressed in all layers of transitional ureteric epithelium and in the ureteric smooth-muscle cells. Weakly expressed in heart, brain, placenta, kidney, pancreas, spleen, thymus, prostate, uterus, small intestine, white blood cells, stomach, spinal cord and adrenal gland. Is widely distributed in the CNS. Also detected in several tumor cell lines. Expressed in the skin (PubMed:28157540)

RIPK5 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

RIPK5 Antibody (N-term) Blocking peptide - Images

RIPK5 Antibody (N-term) Blocking peptide - Background

This gene encodes a dual serine/threonine and tyrosine protein kinase which is expressed in multiple tissues. Multiple alternatively spliced transcript variants have been found, but the biological validity of some variants has not been determined.