10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DSTYK Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21613a

Specification

DSTYK Antibody (N-Term) - Product Information

Application	**WB,E**
Primary Accession	Q6XUX3
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**105206**

DSTYK Antibody (N-Term) - 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
This DSTYK antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 256-290 amino acids from human DSTYK.

Dilution
WB~~1:2000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DSTYK Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

DSTYK Antibody (N-Term) - 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: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}

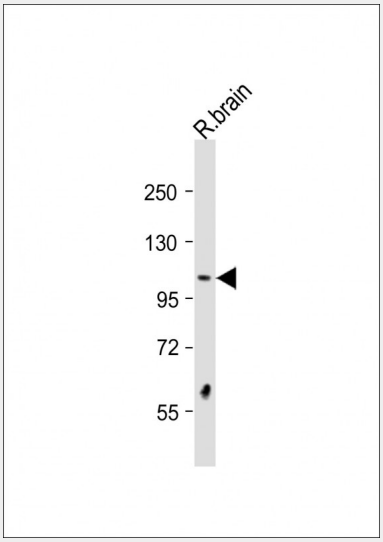
Tissue Location
Predominantly expressed in skeletal muscle and testis. Expressed in basolateral and apical membranes of all tubular epithelia. Expressed in thin ascending limb of the loop of Henle and the distal convoluted tubule. Expressed in all layers of transitional ureteric epithelium and in the 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)

DSTYK Antibody (N-Term) - 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

DSTYK Antibody (N-Term) - Images



Anti-DSTYK Antibody (N-Term)at 1:2000 dilution + rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 105 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

DSTYK Antibody (N-Term) - Background

Acts as a positive regulator of ERK phosphorylation downstream of fibroblast growth factor-receptor activation. May induce both caspase-dependent apoptosis and caspase-independent cell death.

DSTYK Antibody (N-Term) - References

Peng J.,et al.Biochim. Biophys. Acta 1759:562-572(2006).
Zhao Z.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Seki N.,et al.DNA Res. 4:345-349(1997).
Zha J.,et al.Biochem. Biophys. Res. Commun. 319:298-303(2004).