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DUSP13 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18781b

Specification

DUSP13 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q6B8I1
Other Accession	NP_001007272.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**20658**
Antigen Region	**147-173**

DUSP13 Antibody (C-term) - Additional Information

Gene ID 51207

Other Names
Dual specificity protein phosphatase 13 isoform A, DUSP13A, Branching-enzyme interacting DSP, Muscle-restricted DSP, MDSP, DUSP13, BEDP, DUSP13A, MDSP

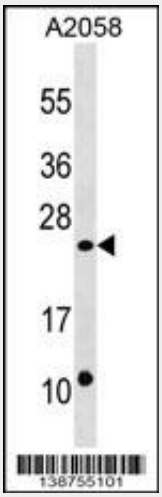
Target/Specificity
This DUSP13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-173 amino acids from the C-terminal region of human DUSP13.

Dilution
WB~~1:1000

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



DUSP13 Antibody (C-term)(Cat. #AP18781b) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the DUSP13 antibody detected the DUSP13 protein (arrow).

DUSP13 Antibody (C-term) - Background

Members of the protein-tyrosine phosphatase superfamily
cooperate with protein kinases to regulate cell proliferation and
differentiation. This superfamily is separated into two families
based on the substrate that is dephosphorylated. One family, the
dual specificity phosphatases (DSPs) acts on both phosphotyrosine
and phosphoserine/threonine residues. This gene encodes different
but related DSP proteins through the use of non-overlapping open
reading frames, alternate splicing, and presumed different
transcription promoters. Expression of the distinct proteins from
this gene has been found to be tissue specific and the proteins may
be involved in postnatal development of

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DUSP13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DUSP13 Antibody (C-term) - Protein Information

Name DUSP13

Synonyms BEDP, DUSP13A, MDSP

Function
Probable protein tyrosine phosphatase. Has phosphatase activity with synthetic substrates (PubMed:15252030, PubMed:29106959). Has a phosphatase activity-independent regulatory role in MAP3K5/ASK1- mediated apoptosis, preventing MAP3K5/ASK1 inhibition by AKT1. Shows no phosphatase activity on MAPK1/ERK2, MAPK8/JNK, MAPK14/p38 and MAP3K5/ASK1.

Cellular Location
Cytoplasm.

Tissue Location
Skeletal muscle specific.

DUSP13 Antibody (C-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

specific tissues. A protein
encoded by the upstream ORF was found in skeletal muscle, whereas
the encoded protein from the downstream ORF was found only in
testis. In mouse, a similar pattern of expression was found.
Multiple alternatively spliced transcript variants were described,
but the full-length sequence of only some were determined.

DUSP13 Antibody (C-term) - References

Kim, S.J., et al. Proteins 66(1):239-245(2007)
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Barrios-Rodiles, M., et al. Science 307(5715):1621-1625(2005)
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