



Rabbit Anti-DUSP13 antibody

SL7797R

Product Name:	DUSP13
Chinese Name:	双特异性磷酸酶13抗体
Alias:	BEDP; Branching enzyme interacting dual specificity protein phosphatase; Dual specificity phosphatase 13; Dual specificity phosphatase SKRP4; DUSP13A; DUSP13B; FLJ32450; MDSP; Muscle restricted dual specificity phosphatase; SKRP4; Testis and skeletal muscle specific DSP; TMDP; DUS13_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	22kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DUSP13:81-198/198
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:	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 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. [provided by RefSeq, Jul 2008].

Function:

May be involved in the regulation of meiosis and/or differentiation of testicular germ cells during spermatogenesis. Exhibits intrinsic phosphatase activity towards both phospho-seryl/threonyl and -tyrosyl residues of myelin basic protein, with similar specific activities in vitro.

Tissue Specificity:

Most abundantly expressed in the testis. Also found in the skeletal muscle. Testis-specific (at protein level).

Similarity:

Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.

Contains 1 tyrosine-protein phosphatase domain.

SWISS:

Q9UII6

Gene ID:

51207

Database links:

[Entrez Gene: 51207](#) Human

[Entrez Gene: 27389](#) Mouse

[Entrez Gene: 361002](#) Rat

[Omicron: 613191](#) Human

[SwissProt: Q6B8I1](#) Human

[SwissProt: Q9UII6](#) Human

[SwissProt: Q9QYJ7](#) Mouse

Important Note:

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

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