



Anti-DUSP13 (full length) polyclonal antibody (DPAB-DC2136)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	DUSP13 (AAH09778, 1 a.a. ~ 198 a.a) full-length recombinant protein with GST tag. The sequence is MDSLQKQDLRRPKIHGAVQASPYQPPTLASLQRLLWVRQAATLNHIDEVWPSLFLGDAYA ARDKSKLQLGITHVVNAAGKFQVDTGAKFYRGMSLEYYGIEADDNPFDSLKVFLPVA RYIRAALSVPQGRVLVHCAMGVRSATLVLAFALMIYENMTLVEAIQTVQAHRNICPNSGF LRQLQVLDNRLGRETGRF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl

Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DUSP13 dual specificity phosphatase 13 [Homo sapiens (human)]
Official Symbol	DUSP13
Synonyms	DUSP13; dual specificity phosphatase 13; BEDP; MDSP; TMDP; SKRP4; DUSP13A; DUSP13B; dual specificity protein phosphatase 13; muscle-restricted DSP; branching-enzyme interacting DSP; testis- and skeletal-muscle-specific DSP; branching-enzyme interacting dual-specificity protein phosphatase;
Entrez Gene ID	51207
Protein Refseq	NP_001007272
UniProt ID	Q6B8I1
Chromosome Location	10q22.2
Function	protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;