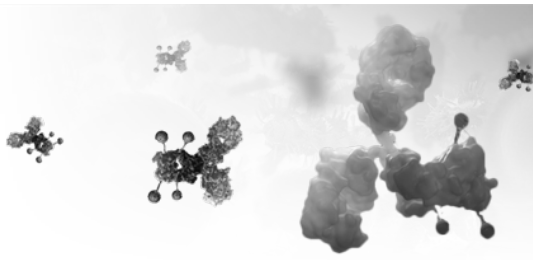

Human DUSP8 blocking peptide (CDBP1072)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DUSP8/HVH5 antibody
Antigen Description	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates SAPK/JNK and p38, is expressed predominantly in the adult brain, heart, and skeletal muscle, is localized in the cytoplasm, and is induced by nerve growth factor and insulin. An intronless pseudogene for DUSP8 is present on chromosome 10q11.2.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	DUSP8 dual specificity phosphatase 8 [Homo sapiens]

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Official Symbol	DUSP8
Synonyms	DUSP8; dual specificity phosphatase 8; C11orf81, chromosome 11 open reading frame 81; dual specificity protein phosphatase 8; FLJ42958; H1 phosphatase; vaccinia virus homolog; HB5; HVH 5; serine/threonine specific protein phosphatase; H1 phosphatase, vaccinia virus homolog; dual specificity protein phosphatase hVH-5; HVH8; HVH-5; C11orf81; FLJ42476;
Entrez Gene ID	1850
mRNA Refseq	NM_004420
Protein Refseq	NP_004411
UniProt ID	Q13202
Chromosome Location	11p15.5
Pathway	ATF-2 transcription factor network, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Regulation of p38-alpha and p38-beta, organism-specific biosystem;
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein tyrosine phosphatase activity;

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