DUSP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DUSP4, Polyclonal Antibody
Full Product Name	DUSP4 (Dual Specificity Protein Phosphatase 4, Dual Specificity Protein Phosphatase hVH2, HVH2, Mitogen-activated Protein Kinase Phosphatase 2,
Product Gene Name	anti-DUSP4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human DUSP4.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	32,993 Da
Immunogen	Full length human DUSP4, aa1-394 (NP_001385.1).
Immunogen Sequence	MVTMEELREMDCSVLKRLMNRDENGGGAGGSGSHGTLGLPSGGKCLLLDCRPFLAHSAGYILGSVNVRCNTIVRRRAKGSVSLEQILPAEEEVRARLRS
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-DUSP4 antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-DUSP4 antibody	Western Blot (WB)
Application Notes for anti-DUSP4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DUSP4 antibody	DUSP4 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating bo and different modes of inducibility of their expression by extracellular stimuli. DUSP4 inactivates ERK1, ERK2 and JNK, is expressed in a variety of tiss
Other Notes	Small volumes of anti-DUSP4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

Searchable Terms for DUSP4 purchase	MBS6376729 is an antibody targeting DUSP4. Also known as DUSP4 (Dual Specificity Protein Phosphatase 4, Dual Specificity Protein Phosphatase h

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DUSP4. It may not necessarily be applicable to this product.

NCBI GI #	325651887
NCBI GeneID	1846
NCBI Accession #	NP_001385.1
UniProt Secondary Accession #	Q13524; B2RBU5; D3DSU4; G5E930
UniProt Related Accession #	Q13115
GenBank Nucleotide #	NM_001394
NCBI Official Full Name	Homo sapiens dual specificity phosphatase 4 (DUSP4), transcript variant 1, mRNA
NCBI Official Synonym Full Names	dual specificity phosphatase 4
NCBI Official Symbol	DUSP4
NCBI Official Synonym Symbols	TYP; HVH2; MKP2; MKP-2
Protein Family	Dual specificity protein phosphatase
NCBI Protein Information	dual specificity protein phosphatase 4; MAP kinase phosphatase 2; VH1 homologous phosphatase 2; dual specificity protein phosphatase hVH2; mitogen-activated protein kinase phosphatase 2; serine/threonine specific protein phosphatase
NCBI Summary for DUSP4	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 are 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 ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported. [provided by RefSeq, Jul 2008]
Research Articles on DUSP4	**1.** Data suggest that MKP-2 rather than MKP-1 is tamoxifen-regulated and that the elevated expression of MKP-2 in MCF7-TAMR cells potentially functions to restore tamoxifen sensitivity.
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