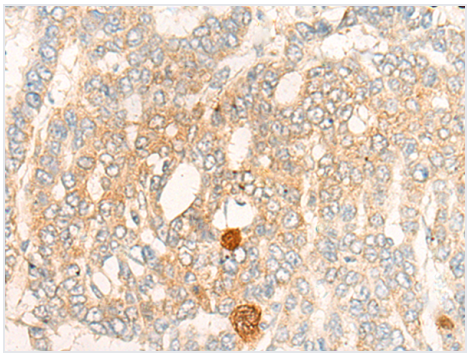
DUSP5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DUSP5, Polyclonal Antibody
Full Product Name	DUSP5 Antibody
Product Gene Name	anti-DUSP5 antibody
Product Synonym Names	DUSP; HVH3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	In pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Concentration	0.7mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total DUSP5 protein.
Preparation and Storage	Store at -20 degree C.
Molecular Weight	42 kDa
OMIM	U15932 mRNA
3D Structure	ModBase 3D Structure for Q16690
Immunogen	Synthetic peptide of human DUSP5
Immunogen Type	Peptide
Product Categories/Family for anti-DUSP5 antibody	Total protein Ab
Applications Tested/Suitable for anti-DUSP5 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-DUSP5 antibody	WB:1:200-1000 IF: 1: 20-100
Related Product Information for anti-DUSP5 antibody	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, is expressed in a variety of tissues with the highest levels in pancreas and brain, and is localized in the nucleus.
Other Notes	Small volumes of anti-DUSP5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DUSP5 purchase	MBS9430035 is an antibody targeting DUSP5. Also known as DUSP5 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-DUSP5 antibody
The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 47021(DBT Antibody) at dilution 1/20. (Original magnification: 200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DUSP5. It may not necessarily be applicable to this product.

NCBI GI #	62865890
NCBI GeneID	1847
NCBI Accession #	NP_004410
UniProt Primary Accession #	Q16690
UniProt Secondary Accession #	Q12997; Q5T603
UniProt Related Accession #	Q16690
GenBank Nucleotide #	NM_004419.3
NCBI Official Full Name	dual specificity protein phosphatase 5
NCBI Official Synonym Full Names	dual specificity phosphatase 5
NCBI Official Symbol	DUSP5
NCBI Official Synonym Symbols	DUSP; HVH3
UniProt Protein Name	Dual specificity protein phosphatase 5
UniProt Synonym Protein Names	Dual specificity protein phosphatase hVH3
Protein Family	Dual specificity protein phosphatase
UniProt Gene Name	DUSP5
UniProt Synonym Gene Names	VH3
NCBI Protein Information	dual specificity protein phosphatase 5
UniProt Comments for DUSP5	Dual specificity protein phosphatase; active with phosphotyrosine, phosphoserine and phosphothreonine residues. The highest relative activity is toward ERK1.
Research Articles on DUSP5	**1.** Findings indicate that zinc-finger protein X-linked (ZFX) promotes colorectal cancer (CRC) progression by suppressing dual specificity phosphatase 5 (DUSP5) expression and suggest that ZFX is a prognostic biomarker and potentially useful therapeutic target in stage II/III CRC patients.
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