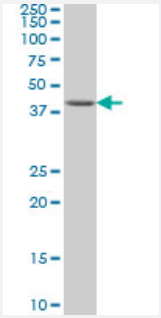
DUSP5 monoclonal antibody (M02A), clone 3D8

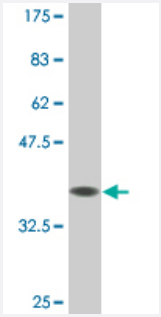
Catalog # H00001847-M02A Size 200 uL

Applications



Western Blot (Cell lysate)

DUSP5 monoclonal antibody (M02A), clone 3D8 Western Blot analysis of DUSP5 expression in IMR-32 (Cat # L008V1).



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DUSP5.
Immunogen	DUSP5 (NP_004410, 286 a.a. ~ 384 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIGHLQTLSPDMQGAYCTFPASVLAPVPTHSTVSELSRSPVATATSC
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (88)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  DUSP5 monoclonal antibody (M02A), clone 3D8 Western Blot analysis of DUSP5 expression in IMR-32 (Cat # L008V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — DUSP5

Entrez GeneID	1847
GeneBank Accession#	NM_004419
Protein Accession#	NP_004410
Gene Name	DUSP5
Gene Alias	DUSP, HVH3
Gene Description	dual specificity phosphatase 5
Omim ID	603069
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000020476|VH1-like phosphatase 3|serine/threonine specific protein phosphatase

Pathway

- MAPK signaling pathway

Disease

- Alzheimer Disease
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Ovarian Neoplasms