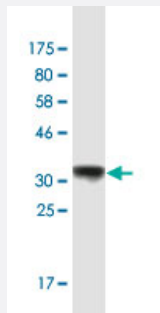


# DUSP5 monoclonal antibody (M05A), clone 6D1

Catalog # H00001847-M05A

Size 200 uL

## Applications



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant DUSP5.
<b>Immunogen</b>	DUSP5 (NP_004410, 286 a.a. ~ 384 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	LKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIHLQTLSPDMQ GAYCTFPASVLAPVPTHSTVSELSRSPVATATSC
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (88)
<b>Isotype</b>	IgG1 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
<b>Storage Buffer</b>	In ascites fluid
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- 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](#)