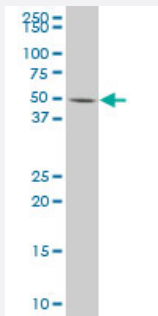


# DUSP10 polyclonal antibody (A01)

Catalog # H00011221-A01

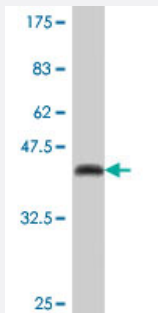
Size 50 uL

## Applications



### Western Blot (Cell lysate)

DUSP10 polyclonal antibody (A01), Lot # 050928JC01 Western Blot analysis of DUSP10 expression in 293 ( Cat # L026V1 ).



Western Blot detection against Immunogen (41.51 KDa) .

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant DUSP10.
Immunogen	DUSP10 (AAH20608, 1 a.a. ~ 140 a.a) full-length recombinant protein with GST tag.
Sequence	MQRLNIGYVINVTTHLPLYHYEKGLFNKRLPATDSNKQNLQRQYFEEAFEFIEEAHQCGKGLLIHCQAGVSRSATVIAYLMKHTRMTMTDAYKFVKGKRPIISP NLNFMGQLLEFEEDLNNGVTPRILTPKLMGVETVV
Host	Mouse
Reactivity	Human

<b>Interspecies Antigen Sequence</b>	Mouse (99); Rat (98)
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<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.51 KDa) .
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<b>Storage Buffer</b>	50 % glycerol
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<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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## Applications

- Western Blot (Cell lysate)

DUSP10 polyclonal antibody (A01), Lot # 050928JC01 Western Blot analysis of DUSP10 expression in 293 ( Cat # L026V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — DUSP10

<b>Entrez GeneID</b>	<a href="#">11221</a>
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<b>GeneBank Accession#</b>	<a href="#">BC020608</a>
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<b>Protein Accession#</b>	<a href="#">AAH20608</a>
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<b>Gene Name</b>	DUSP10
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<b>Gene Alias</b>	MKP-5, MKP5
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<b>Gene Description</b>	dual specificity phosphatase 10
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<b>Omim ID</b>	<a href="#">608867</a>
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<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
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**Gene Summary**

Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAPK superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAPKs, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK, but not MAPK/ERK. Its subcellular localization is unique; it is evenly distributed in both the cytoplasm and the nucleus. This gene is widely expressed in various tissues and organs, and its expression is elevated by stress stimuli. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000035380|dual specificity phosphatase MKP-5|map kinase phosphatase 5|serine/threonine specific protein phosphatase

**Publication Reference**

- [Identification of the MEK1\(F129L\) Activating Mutation as a Potential Mechanism of Acquired Resistance to MEK Inhibition in Human Cancers Carrying the B-RafV600E Mutation.](#)

Wang H, Daouti S, Li WH, Wen Y, Rizzo C, Higgins B, Packman K, Rosen N, Boylan JF, Heimbrook D, Niu H.

Cancer Research 2011 Aug; 71(16):5535.

Application: WB-Ce, Human, HT-29S, HT-29R cells

**Pathway**

- [MAPK signaling pathway](#)

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)