

DUSP6 / MKP3 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3910a

Specification

DUSP6 / MKP3 Antibody (C-Term) - Product Information

Application	WB
Primary Accession	Q16828
Other Accession	NP_001937.2 , NP_073143.2 , 1848 , 67603 (mouse), 116663 (rat)
Reactivity	Human, Mouse, Rat, Pig
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	42320

DUSP6 / MKP3 Antibody (C-Term) - Additional Information

Gene ID 1848

Other Names

Dual specificity protein phosphatase 6, 3.1.3.16, 3.1.3.48, Dual specificity protein phosphatase PYST1, Mitogen-activated protein kinase phosphatase 3, MAP kinase phosphatase 3, MKP-3, DUSP6, MKP3, PYST1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DUSP6 / MKP3 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

DUSP6 / MKP3 Antibody (C-Term) - Protein Information

Name DUSP6

Synonyms MKP3, PYST1

Function

Inactivates MAP kinases. Has a specificity for the ERK family (PubMed:9858808). Plays an

important role in alleviating chronic postoperative pain. Necessary for the normal dephosphorylation of the long-lasting phosphorylated forms of spinal MAPK1/3 and MAP kinase p38 induced by peripheral surgery, which drives the resolution of acute postoperative allodynia (By similarity). Also important for dephosphorylation of MAPK1/3 in local wound tissue, which further contributes to resolution of acute pain (By similarity). Promotes cell differentiation by regulating MAPK1/MAPK3 activity and regulating the expression of AP1 transcription factors (PubMed:29043977).

Cellular Location

Cytoplasm.

Tissue Location

Expressed in keratinocytes (at protein level).

DUSP6 / MKP3 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DUSP6 / MKP3 Antibody (C-Term) - Images



AF3910a (0.3 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

DUSP6 / MKP3 Antibody (C-Term) - Background

This antibody is expected to recognize both reported isoforms (NP_001937.2; NP_073143.2).

DUSP6 / MKP3 Antibody (C-Term) - References

Signal integration and coincidence detection in the mitogen-activated protein kinase/extracellular signal-regulated kinase (ERK) cascade: concomitant activation of receptor tyrosine kinases and of LRP-1 leads to sustained ERK phosphorylation via down-regulation of Geetha N, Mihaly J, Stockenhuber A, Blasi F, Uhrin P, Binder BR, Freissmuth M, Breuss JM. J Biol Chem. 2011 Jul 22;286(29):25663-74. PMID: 21610072