

DUSP6 Polyclonal Antibody
Catalog # AP63708**Specification****DUSP6 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q16828
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal

DUSP6 Polyclonal Antibody - Additional Information**Gene ID** 1848**Other Names**

DUSP6; MKP3; PYST1; Dual specificity protein phosphatase 6; Dual specificity protein phosphatase PYST1; Mitogen-activated protein kinase phosphatase 3; MAP kinase phosphatase 3; MKP-3

Dilution

WB~~WB 1:1000-3000

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

DUSP6 Polyclonal Antibody - Protein Information**Name** DUSP6**Synonyms** MKP3, PYST1**Function**

Dual specificity protein phosphatase, which mediates dephosphorylation and inactivation of MAP kinases (PubMed: <http://www.uniprot.org/citations/8670865> target="_blank">8670865). Has a specificity for the ERK family (PubMed: <http://www.uniprot.org/citations/8670865> target="_blank">8670865). Plays an important role in alleviating chronic postoperative pain (By similarity). 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: <http://www.uniprot.org/citations/29043977> target="_blank">29043977).

Cellular Location

Cytoplasm.

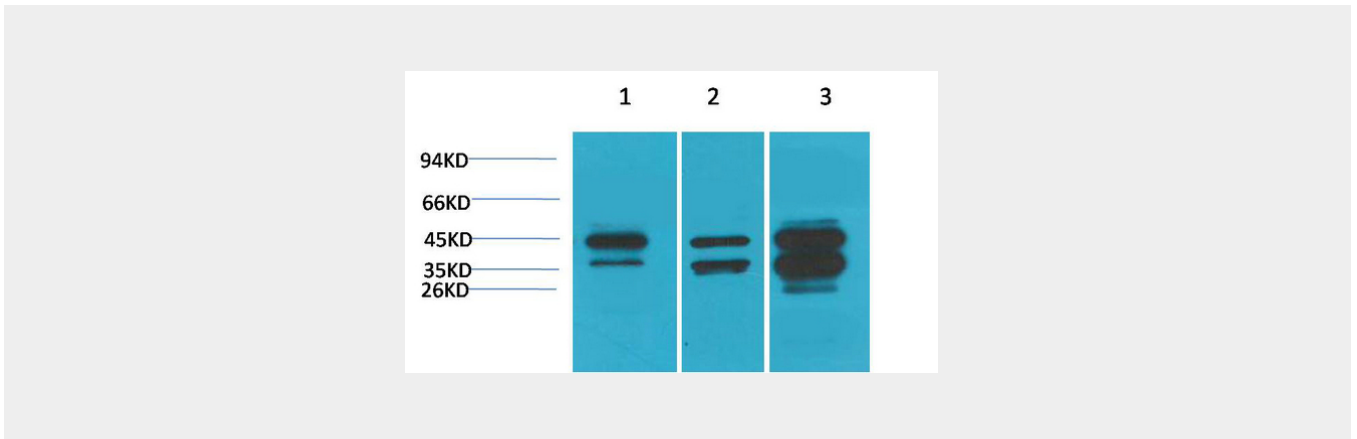
Tissue Location

Expressed in keratinocytes (at protein level).

DUSP6 Polyclonal Antibody - 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 Polyclonal Antibody - Images**DUSP6 Polyclonal Antibody - Background**

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).