

**MKP-3 Polyclonal Antibody**  
**Catalog # AP70957****Specification**

---

**MKP-3 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q16828</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**MKP-3 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~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

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

**Storage Conditions**

-20°C

**MKP-3 Polyclonal Antibody - Protein Information****Name** DUSP6**Synonyms** MKP3, PYST1**Function**

Inactivates MAP kinases. Has a specificity for the ERK family (PubMed:<a href="http://www.uniprot.org/citations/9858808" target="\_blank">9858808</a>). 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:<a href="http://www.uniprot.org/citations/29043977" target="\_blank">29043977</a>).

**Cellular Location**

Cytoplasm.

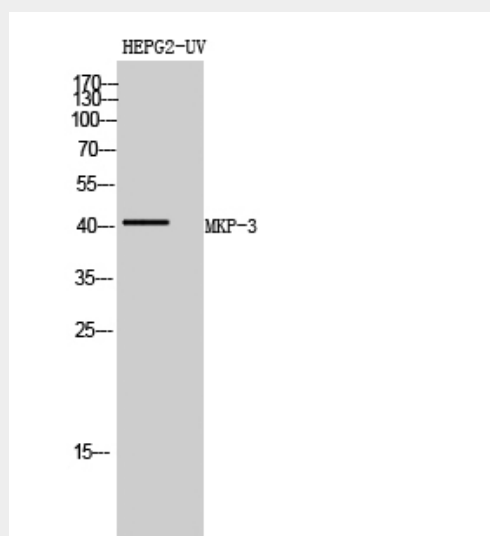
**Tissue Location**

Expressed in keratinocytes (at protein level).

**MKP-3 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](#)

**MKP-3 Polyclonal Antibody - Images****MKP-3 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).