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DUSP6 Polyclonal Antibody

Catalog # AP63708

Product Information

Application	WB
Primary Accession	Q16828
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42320

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℃

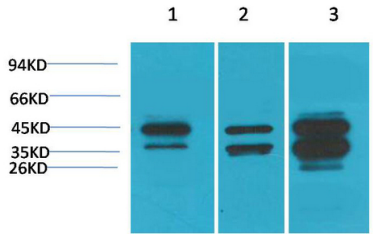
Protein Information

Name	DUSP6
Synonyms	MKP3, PYST1
Function	Dual specificity protein phosphatase, which mediates dephosphorylation and inactivation of MAP kinases (PubMed:8670865). Has a specificity for the ERK family (PubMed: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:29043977).
Cellular Location	Cytoplasm.
Tissue Location	Expressed in keratinocytes (at protein level).

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).

Images



Western blot analysis of 1) HepG2, 2)3T3, 3) Rat Heart Tissue with DUSP6 Rabbit pAb diluted at 1:3,000.