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DUSP6 (9T14) Rabbit Monoclonal Antibody

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Catalog # AP93669

Product Information

Application	WB, IHC-P, IF, FC, IP
Primary Accession	Q16828
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Calculated MW	42320

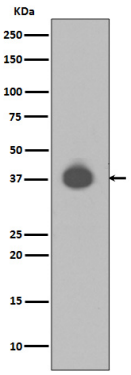
Additional Information

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
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 IP~~N/A
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).

Images



Western blot analysis of DUSP6 expression in NIH/3T3 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.