

Recombinant Anti-DUSP1 Rabbit mAb

Catalog # AP95007

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	P28562
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	39298

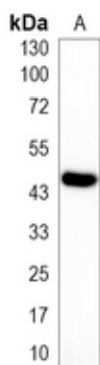
Additional Information

Gene ID	1843
Other Names	CL100; MKP1; PTPN10; VH1; Dual specificity protein phosphatase 1; Dual specificity protein phosphatase hVH1; Mitogen-activated protein kinase phosphatase 1; MAP kinase phosphatase 1; MKP-1; Protein-tyrosine phosphatase CL100
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human DUSP1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

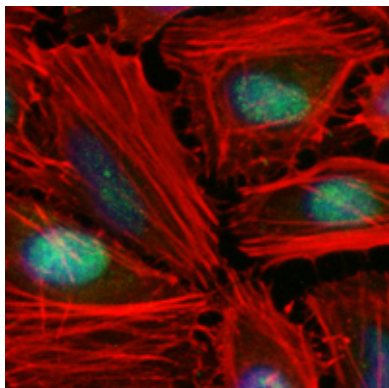
Protein Information

Name	DUSP1 (HGNC:3064)
Function	Dual specificity phosphatase that dephosphorylates MAP kinase MAPK1/ERK2 on both 'Thr-183' and 'Tyr-185', regulating its activity during the meiotic cell cycle.
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q91790}.
Tissue Location	Expressed at high levels in the lung, liver placenta and pancreas. Moderate levels seen in the heart and skeletal muscle. Lower levels found in the brain and kidney

Images



Western blot analysis of DUSP1 expression in HeLa (A) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 45 kD)



Immunofluorescent analysis of DUSP1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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