10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DUSP1 Antibody
Rabbit mAb
Catalog # AP91019

Specification

DUSP1 Antibody - Product Information

Application	**WB, IHC, FC, ICC, IP**
Primary Accession	P28562
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
HVH1; MKP1; CL100; MKP-1; PTPN10; DUSP1;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**39298 Da**

DUSP1 Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500** **FC~~1:10~50** **ICC~~N/A** **IP~~N/A**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human DUSP1**
Description	**The expression of DUSP1 gene is induced in human skin fibroblasts by oxidative/heat stress and growth factors. It specifies a protein with structural features similar to members of the non-receptor-type protein-tyrosine phosphatase family, and which has significant amino-acid sequence similarity to a Tyr/Ser-protein phosphatase encoded by the late gene H1 of vaccinia virus.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

DUSP1 Antibody - 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}.

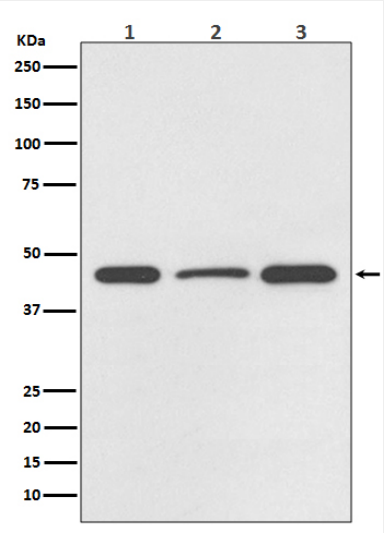
Tissue Location
Expressed at high levels in the lung, liver placenta and pancreas. Moderate levels seen in the heart and skeletal muscle. Lower levels found in the brain and kidney

DUSP1 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 Cytomety
- Cell Culture

DUSP1 Antibody - Images



Western blot analysis of DUSP1 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate.