

MKP-1 / DUSP1 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS12435**Specification**

MKP-1 / DUSP1 Antibody (C-Terminus) - Product Information

Application	IHC, WB
Primary Accession	P28562
Reactivity	Human, Rabbit, Monkey, Pig, Chicken, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	39kDa KDa

MKP-1 / DUSP1 Antibody (C-Terminus) - Additional Information**Gene ID** 1843**Other Names**

Dual specificity protein phosphatase 1, 3.1.3.16, 3.1.3.48, Dual specificity protein phosphatase hVH1, Mitogen-activated protein kinase phosphatase 1, MAP kinase phosphatase 1, MKP-1, Protein-tyrosine phosphatase CL100, DUSP1, CL100, MKP1, PTPN10, VH1

Target/Specificity

Human DUSP1.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

MKP-1 / DUSP1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

MKP-1 / DUSP1 Antibody (C-Terminus) - 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

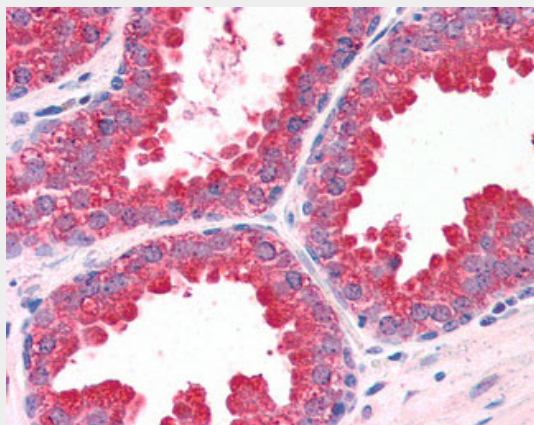
Expressed at high levels in the lung, liver placenta and pancreas. Moderate levels seen in the heart and skeletal muscle. Lower levels found in the brain and kidney

MKP-1 / DUSP1 Antibody (C-Terminus) - 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-1 / DUSP1 Antibody (C-Terminus) - Images



Anti-DUSP1 antibody IHC of human prostate.



Antibody (0.3 ug/ml) staining of HeLa lysate (35 ug protein in RIPA buffer).

MKP-1 / DUSP1 Antibody (C-Terminus) - Background

Dual specificity phosphatase that dephosphorylates MAP kinase MAPK1/ERK2 on both 'Thr-183' and 'Tyr-185', regulating its activity during the meiotic cell cycle.

MKP-1 / DUSP1 Antibody (C-Terminus) - References

- Keyes S.M., et al. Nature 359:644-647(1992).
Kwak S.P., et al. J. Biol. Chem. 269:3596-3604(1994).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Van Damme P., et al. Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).

