

DUSP9 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13891b**Specification**

DUSP9 Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	O99956
Other Accession	NP_001386.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41868
Antigen Region	300-329

DUSP9 Antibody (C-term) - Additional Information**Gene ID** 1852**Other Names**

Dual specificity protein phosphatase 9, Mitogen-activated protein kinase phosphatase 4, MAP kinase phosphatase 4, MKP-4, DUSP9, MKP4

Target/Specificity

This DUSP9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-329 amino acids from the C-terminal region of human DUSP9.

Dilution

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DUSP9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DUSP9 Antibody (C-term) - Protein Information**Name** DUSP9

Synonyms MKP4

Function Inactivates MAP kinases. Has a specificity for the ERK family.

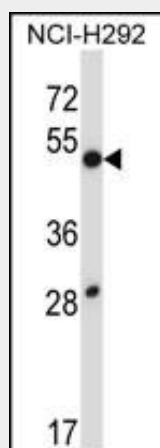
Cellular Location

Cytoplasm.

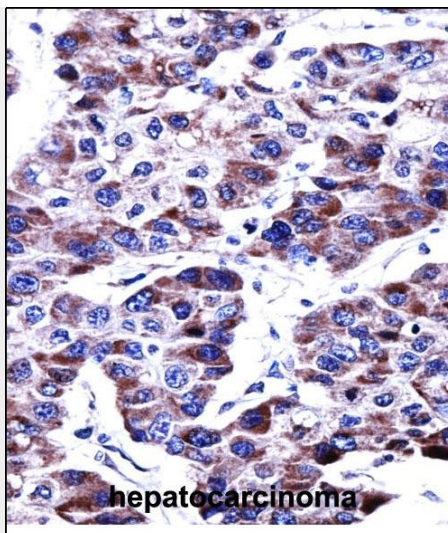
DUSP9 Antibody (C-term) - Protocols

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](#)

DUSP9 Antibody (C-term) - Images

DUSP9 Antibody (C-term) (Cat. #AP13891b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the DUSP9 antibody detected the DUSP9 protein (arrow).



DUSP9 Antibody (C-term) (AP13891b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DUSP9 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

DUSP9 Antibody (C-term) - Background

The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product shows selectivity for members of the ERK family of MAP kinases, is expressed only in placenta, kidney, and fetal liver, and is localized to the cytoplasm and nucleus. [provided by RefSeq].

DUSP9 Antibody (C-term) - References

Voight, B.F., et al. Nat. Genet. 42(7):579-589(2010)
Liu, Y., et al. Cancer Res. 67(22):10711-10719(2007)
Ross, M.T., et al. Nature 434(7031):325-337(2005)
Muda, M., et al. J. Biol. Chem. 272(8):5141-5151(1997)