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

DUSP9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13891b

Specification

DUSP9 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q99956
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
WB~~1:1000
IHC-P~~1:10~50

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.

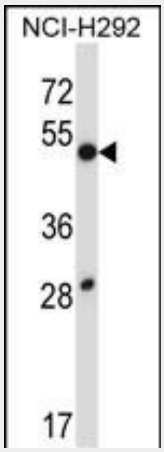
Cellular Location
Cytoplasm.

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 Cytomety
- 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).

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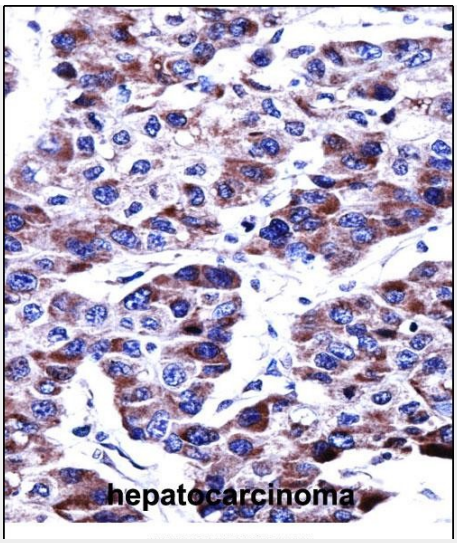

DUSP9 Antibody (C-term) (AP13891b)immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of DUSP9 Antibody (C-term) for immunohistochemistry. Clinical relevance 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)