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DUSP14 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20179c

Specification

DUSP14 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O95147
Other Accession	Q17QM8, NP_008957.1
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**76-105**

DUSP14 Antibody (Center) - Additional Information

Gene ID 11072

Other Names
Dual specificity protein phosphatase 14, MKP-1-like protein tyrosine phosphatase, MKP-L, Mitogen-activated protein kinase phosphatase 6, MAP kinase phosphatase 6, MKP-6, DUSP14, MKP6

Target/Specificity
This DUSP14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-105 amino acids from the Central region of human DUSP14.

Dilution
WB~~1:1000

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
DUSP14 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DUSP14 Antibody (Center) - Protein Information

Name DUSP14

Synonyms MKP6

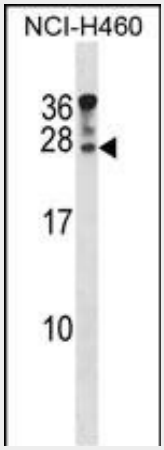
Function Involved in the inactivation of MAP kinases. Dephosphorylates ERK, JNK and p38 MAP-kinases. Plays a negative role in TCR signaling by dephosphorylating MAP3K7 adapter TAB1 leading to its inactivation (PubMed:24403530).

DUSP14 Antibody (Center) - 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

DUSP14 Antibody (Center) - Images



DUSP14 Antibody (Center) (Cat. #AP20179c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the DUSP14 antibody detected the DUSP14 protein (arrow).

DUSP14 Antibody (Center) - Background

Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP14 contains the consensus DUSP C-terminal catalytic domain but lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).

DUSP14 Antibody (Center) - References

Thye, T., et al. Nat. Genet. 42(9):739-741(2010)

Lountos, G.T., et al. Acta Crystallogr. D Biol. Crystallogr. 65 (PT 10), 1013-1020 (2009) :
Patterson, K.I., et al. Biochem. J. 418(3):475-489(2009)
Elass, E., et al. FEBS Lett. 582(3):445-450(2008)
Nyati, M.K., et al. Cancer Res. 66(24):11554-11559(2006)