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DUSP10 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19967c

Specification

DUSP10 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9Y6W6
Other Accession	Q9ESS0, Q0IID7, NP_653330.1
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**52642**
Antigen Region	**204-232**

DUSP10 Antibody (Center) - Additional Information

Gene ID 11221

Other Names
Dual specificity protein phosphatase 10, Mitogen-activated protein kinase phosphatase 5, MAP kinase phosphatase 5, MKP-5, DUSP10, MKP5

Target/Specificity
This DUSP10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 204-232 amino acids from the Central region of human DUSP10.

Dilution
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
DUSP10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DUSP10 Antibody (Center) - Protein Information

Name DUSP10

Synonyms MKP5

Function Protein phosphatase involved in the inactivation of MAP kinases. Has a specificity for the MAPK11/MAPK12/MAPK13/MAPK14 subfamily. It preferably dephosphorylates p38.

Cellular Location
Cytoplasm. Nucleus.

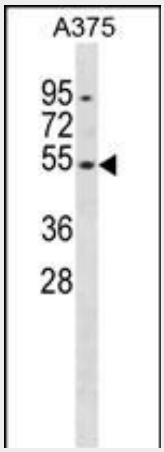
Tissue Location
Expressed in keratinocytes (at protein level) (PubMed:29043977). Detected in brain (PubMed:16806267)

DUSP10 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

DUSP10 Antibody (Center) - Images



DUSP10 Antibody (Center) (Cat. #AP19967c) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the DUSP10 antibody detected the DUSP10 protein (arrow).

DUSP10 Antibody (Center) - Background

Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAPK superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAPKs, different tissue distribution and subcellular localization,

and different modes of inducibility of their expression by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK, but not MAPK/ERK. Its subcellular localization is unique; it is evenly distributed in both the cytoplasm and the nucleus. This gene is widely expressed in various tissues and organs, and its expression is elevated by stress stimuli. Three transcript variants encoding two different isoforms have been found for this gene.

DUSP10 Antibody (Center) - References

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Tephly, L.A., et al. Am. J. Respir. Cell Mol. Biol. 39(1):113-123(2008)
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