

ARG63190 anti-DUSP10 / MKP5 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DUSP10 / MKP5
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	WB
Specificity	This antibody is expected to recognise both reported Human isoforms. The variants NP_653329.1 and NP_653330.1 represent identical protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DUSP10 / MKP5
Species	Human
Immunogen	CRILTPKLMGVETVV
Conjugation	Un-conjugated
Alternate Names	MKP-5; Dual specificity protein phosphatase 10; MKP5; MAP kinase phosphatase 5; EC 3.1.3.16; Mitogen-activated protein kinase phosphatase 5; EC 3.1.3.48

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>0.5 - 2 µg/ml</td></tr> </table>	Application	Dilution	WB	0.5 - 2 µg/ml
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Application Note	<p>WB: Recommend incubate at RT for 1h.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>				

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 11221 Human](#)

[Swiss-port # Q9Y6W6 Human](#)

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. [provided by RefSeq, Jul 2008]

Research Area

Signaling Transduction antibody

Calculated Mw

53 kDa

Images



ARG63190 anti-DUSP10 / MKP5 antibody WB image

Western Blot: Human Liver lysate (RIPA buffer, 30µg total protein per lane) stained with ARG63190 anti-DUSP10 / MKP5 antibody at 0.5 µg/ml dilution.