

Product datasheet

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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 isofoms. 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	Application	Dilution
	WB	0.5 - 2 μg/ml
Application Note	WB: Recommend incubate at RT	
	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

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

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before use.

Note

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

Bioinformation

Database links <u>GeneID: 11221 Human</u>

Swiss-port # Q9Y6W6 Human

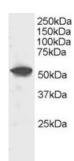
Background

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, 30 μ g total protein per lane) stained with ARG63190 anti-DUSP10 / MKP5 antibody at 0.5 μ g/ml dilution.