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Datasheet for ABIN1713770
anti-DUSP5 antibody (AA 221-320)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	DUSP5
Binding Specificity:	AA 221-320
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DUSP5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	DUSP5
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Target Details

Alternative Name: DUSP5 ([DUSP5 Products](#))

Background: Synonyms: Dual specificity protein phosphatase 5, Dual specificity protein phosphatase hVH 3, Dual specificity protein phosphatase hVH3, DUSP 5, DUSP, HVH 3, HVH3, Serine/threonine specific protein phosphatase, VH 3, VH1 like phosphatase 3, VH3, DUS5_HUMAN.

Background: Dual specificity phosphatases (DSPs) are a subclass of the protein tyrosine phosphatase (PTP) gene superfamily, which are selective for dephosphorylating critical phosphothreonine and phosphotyrosine residues within MAP kinases. DSP gene expression is induced by a host of growth factors and/or cellular stresses, thereby negatively regulating MAP kinase superfamily members including MAPK/ERK, SAPK/JNK and p38. The members of the dual-specificity phosphatase protein family include MKP-1/CL100 (3CH134), MKP-2, MKP-3, MKP-4, MKP-5, MKP-6, MKP-7, MKP-X, VHR, VHY, PAC1, hVH-3 (B23), hVH-5, PYST2, DUSP1, DUSP5, DUSP8, PIR1 and SKRP1. DUSP5 is a nuclear phosphoprotein that displays phosphatase activity toward several different substrates. It shows the highest relative activity toward ERK1.

Gene ID: 1847

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

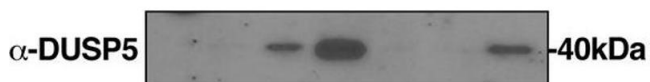
Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Cai, Chen, Han, He, Chen, Chen, Yang, Wu, Zeng, Zou, Liang, Dai, Jiang, Zhong: "Down-regulation of dual-specificity phosphatase 5 predicts poor prognosis of patients with prostate cancer." in: **International journal of clinical and experimental medicine**, Vol. 8, Issue 3, pp. 4186-94, (2015) ([PubMed](#)).

Images



Western Blotting

Image 1. This image was kindly submitted by a Graduate Student at The Scripps Research Institute. The western blot was obtained using Mouse MEF lysates probed with Rabbit Anti-DUSP5 Polyclonal Antibody, Unconjugated at 1:1000 overnight at 4°C. Followed by a secondary antibody at 1:5000 for 45 minutes.