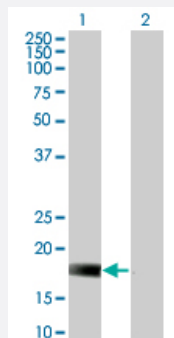


DUSP22 monoclonal antibody (M01), clone 3D3

Catalog # H00056940-M01

Size 100 ug

Applications

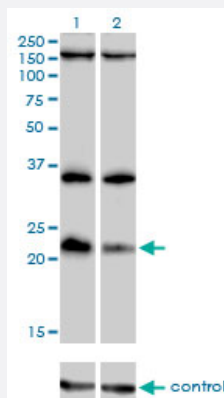


Western Blot (Transfected lysate)

Western Blot analysis of DUSP22 expression in transfected 293T cell line by DUSP22 monoclonal antibody (M01), clone 3D3.

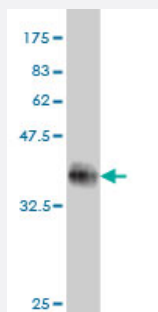
Lane 1: DUSP22 transfected lysate(20.9 KDa).

Lane 2: Non-transfected lysate.



RNAi Knockdown (Antibody validated)

Western blot analysis of DUSP22 over-expressed 293 cell line, cotransfected with DUSP22 Validated Chimera RNAi (Cat # H00056940-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with DUSP22 monoclonal antibody (M01), clone 3D3 (Cat # H00056940-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (33.77 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant DUSP22.

Immunogen	DUSP22 (NP_064570, 112 a.a. ~ 184 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EDALHTVRAGRSCANPNVGFQRQLQEFEEKHEVHQYRQWLKEEYGESPLQDAEEAKNILAAPGILKFWAFLRRL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (91)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.77 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DUSP22 expression in transfected 293T cell line by DUSP22 monoclonal antibody (M01), clone 3D3.

Lane 1: DUSP22 transfected lysate(20.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of DUSP22 over-expressed 293 cell line, cotransfected with DUSP22 Validated Chimera RNAi (Cat # H00056940-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with DUSP22 monoclonal antibody (M01), clone 3D3 (Cat # H00056940-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — DUSP22

Entrez GeneID	56940
GeneBank Accession#	NM_020185
Protein Accession#	NP_064570
Gene Name	DUSP22
Gene Alias	JKAP, JSP1, MKPX, VHX
Gene Description	dual specificity phosphatase 22
Gene Ontology	Hyperlink
Other Designations	JNK-stimulating phosphatase 1 OTTHUMP00000015938 homolog of mouse dual specificity phosphatase LMW-DSP2 mitogen-activated protein kinase phosphatase x

Publication Reference

- [DUSP22 suppresses prostate cancer proliferation by targeting the EGFR-AR axis.](#)

Lin HP, Ho HM, Chang CW, Yeh SD, Su YW, Tan TH, Lin WJ.

FASEB Journal 2019 Dec; 33(12):14653.

Application: WB, Human, C4-2B, CWR22Rv1, LNCaP cells

- [Promoter hypermethylation of the phosphatase DUSP22 mediates PKA-dependent TAU phosphorylation and CREB activation in Alzheimer's disease.](#)

Sanchez-Mut JV, Aso E, Heyn H, Matsuda T, Bock C, Ferrer I, Esteller M.

Hippocampus 2014 Apr; 24(4):363.

Application: WB, Human, Brain

- [JNK Pathway-associated Phosphatase Dephosphorylates Focal Adhesion Kinase and Suppresses Cell Migration.](#)

Li JP, Fu YN, Chen YR, Tan TH.

The Journal of Biological Chemistry 2010 Feb; 285(8):5472.

Application: WB, Human, H1299 cells