

Rabbit anti-Human, mouse DUSP4 Polyclonal Antibody | anti-DUSP4 antibody

DUSP4 Antibody (C-term)

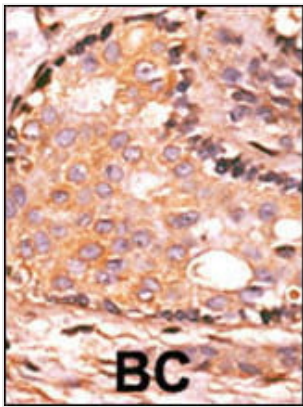
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289143	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

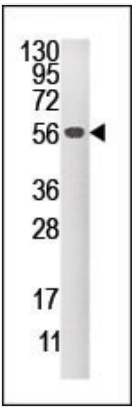
DUSP4; Polyclonal Antibody; DUSP4 Antibody (C-term); Dual specificity protein phosphatase 4; Dual specificity protein phosphatase hVH2; Mitogen-activated protein kinase phosphatase 2; MAP kinase phosphatase 2; MKP-2; MKP2; VH2; anti-DUSP4 antibody

PRODUCT SPECIFICATIONS

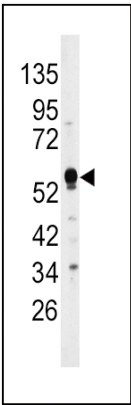
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DUSP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-361 amino acids from the C-terminal region of human DUSP4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	331-361
Sequence Length	394
Applicable Applications for anti-DUSP4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-DUSP4 Pab in mouse brain tissue lysate (35ug/lane). DUSP4 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of anti-DUSP4 Antibody (C-term) in HepG2 cell line lysates (35ug/lane). DUSP4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-DUSP4 antibody	DUSP4 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. DUSP4 inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus.
Product Categories/Family for anti-DUSP4 antibody	Cell Biology; Signal transduction
References	Chen, P., et al., J. Biol. Chem. 276(31):29440-29449 (2001). Smith, A., et al., Genomics 42(3):524-527 (1997). Chu, Y., et al., J. Biol. Chem. 271(11):6497-6501 (1996). King, A.G., et al., Oncogene 11(12):2553-2563 (1995). Guan, K.L., et al., J. Biol. Chem. 270(13):7197-7203 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503417
NCBI GeneID	1846

NCBI Accession #	NP_001385.1; NP_476499.1
NCBI GenBank Nucleotide #	NM_001394.6
UniProt Accession #	Q13115; Q13524; B2RBU5; D3DSU4; G5E930
Molecular Weight	42953
NCBI Official Full Name	dual specificity protein phosphatase 4 isoform 1
NCBI Official Synonym Full Names	dual specificity phosphatase 4
NCBI Official Symbol	DUSP4
NCBI Official Synonym Symbols	TYP; HVH2; MKP2; MKP-2
NCBI Protein Information	dual specificity protein phosphatase 4
UniProt Protein Name	Dual specificity protein phosphatase 4
UniProt Gene Name	DUSP4
UniProt Synonym Gene Names	MKP2; VH2; MAP kinase phosphatase 2; MKP-2
UniProt Entry Name	DUS4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dusp4-antibody-immunohistochemistry-western-blot-elisa/289143>