

Rabbit DUSP10 Polyclonal Antibody | anti-DUSP10 antibody

DUSP10 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289476	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

DUSP10; Polyclonal Antibody; DUSP10 Antibody (N-term); Dual specificity protein phosphatase 10; Mitogen-activated protein kinase phosphatase 5; MAP kinase phosphatase 5; MKP-5; MKP5; anti-DUSP10 antibody

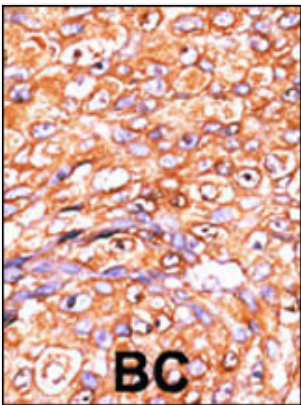
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DUSP10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DUSP10.
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	1-30
Sequence Length	140
Applicable Applications for anti-DUSP10 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.

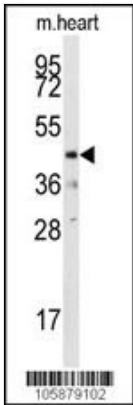
IMAGES



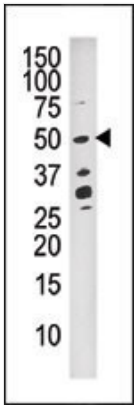
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with DUSP10 Antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohistochemistry)
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-DUSP10 Pab in mouse heart tissue lysates (35ug/lane). DUSP10(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of anti-DUSP10 Pab in CEM cell line tissue lysate (35ug/lane). DUSP10(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-DUSP10 antibody	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. DUSP10 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. The protein is widely expressed in various tissues and organs, and its expression is elevated by stress stimuli.
Product Categories/Family for anti-DUSP10 antibody	Signal Transduction
References	Tanoue, T., et al., J. Biol. Chem. 274(28):19949-19956 (1999). Theodosiou, A., et al., Oncogene 18(50):6981-6988 (1999). Martell, K.J., et al., Mol. Cells 8(1):2-11 (1998). Masuda, K., et al., Cytogenet. Cell Genet. 90 (1-2), 71-74 (2000) (): ().

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005812
NCBI GeneID	11221

NCBI Accession #	NP_009138.1; NP_653329.1; NP_653330.1
NCBI GenBank Nucleotide #	NM_007207.5
UniProt Accession #	Q9Y6W6; Q6GSI4; Q9H9Z5; D3DTB4
Molecular Weight	52642
NCBI Official Full Name	dual specificity protein phosphatase 10
NCBI Official Synonym Full Names	dual specificity phosphatase 10
NCBI Official Symbol	DUSP10
NCBI Official Synonym Symbols	MKP5; MKP-5
NCBI Protein Information	dual specificity protein phosphatase 10
UniProt Protein Name	Dual specificity protein phosphatase 10
UniProt Gene Name	DUSP10
UniProt Synonym Gene Names	MKP5; MAP kinase phosphatase 5; MKP-5
UniProt Entry Name	DUS10_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/dusp10-antibody-western-blot-immunohistochemistry-elisa/289476>