

Rabbit DUSP3 Polyclonal Antibody | anti-DUSP3 antibody

Anti-DUSP3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125485	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

DUSP3; Polyclonal Antibody; Anti-DUSP3 Antibody; Dual specificity protein phosphatase 3; Dual specificity protein phosphatase VHR; Vaccinia H1-related phosphatase; VHR; anti-DUSP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	185
Applicable Applications for anti-DUSP3 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived human DUSP3 recombinant protein (Position: S4-P185).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


WB (Western Blot)

Figure 1. Western blot analysis of DUSP3 using anti-DUSP3 antibody.


FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-DUSP3 antibody	Description: Rabbit IgG polyclonal antibody for DUSP3 detection. Tested with WB, ICC/IF, FCM, Direct ELISA in Human; Mouse; Rat. Background: Dual specificity protein phosphatase 3 is an enzyme that in humans is encoded by the DUSP3 gene. It is mapped to 17q21.31. The protein encoded by this gene 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. This gene maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer pedigrees and in sporadic tumors was negative, leading to the conclusion that this gene is not BRCA1.
References	1. Alonso, A., Rahmouni, S., Williams, S., van Stipdonk, M., Jaroszewski, L., Godzik, A., Abraham, R. T., Schoenberger, S. P., Mustelin, T. Tyrosine phosphorylation of VHR phosphatase by ZAP-70. Nature Immun. 4: 44-48, 2003. 2. Ishibashi, T., Bottaro, D. P., Chan, A., Miki, T., Aaronson, S. A. Expression cloning of a human dual-specificity phosphatase. Proc. Nat. Acad. Sci. 89: 12170-12174, 1992. 3. Jones, K. A., Black, D. M., Brown, M. A., Griffiths, B. L., Nicolai, H. M., Chambers, J. A., Bonjardim, M., Xu, C.-F., Boyd, M., McFarlane, R., Korn, B., Poustka, A., North, M. A., Schalkwyk, L., Lehrach, H., Solomon, E. The detailed characterisation of a 400 kb cosmid walk in the BRCA1 region: identification and localisation of 10 genes including a dual-specificity phosphatase. Hum. Molec. Genet. 3: 1927-1934, 1994.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758208
NCBI GeneID	1845
NCBI Accession #	NP_004081.1
NCBI GenBank Nucleotide #	NP_004081.1
UniProt Accession #	P51452
NCBI Official Full Name	dual specificity protein phosphatase 3
NCBI Official Synonym Full Names	dual specificity phosphatase 3
NCBI Official Symbol	DUSP3
NCBI Official Synonym Symbols	VHR
NCBI Protein Information	dual specificity protein phosphatase 3
UniProt Protein Name	Dual specificity protein phosphatase 3
UniProt Gene Name	DUSP3
UniProt Synonym Gene Names	VHR; VHR
UniProt Entry Name	DUS3_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.