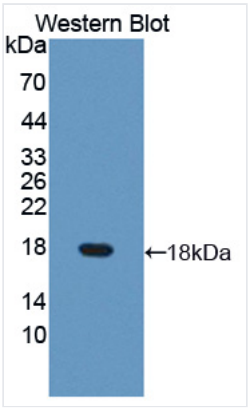
Dual Specificity Phosphatase 5 (DUSP5) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Dual Specificity Phosphatase 5 (DUSP5), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Dual Specificity Phosphatase 5 (DUSP5)
Product Gene Name	anti-DUSP5 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	Affinity Chromatography
Concentration	500ug/mL (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against DUSP5. It has beenselected for its ability to recognize DUSP5 in immunohistochemical staining andwestern blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) Immunogen: DUSP5 (MBS2028897)
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) APC-CY7 Conjugated Antibody: DUSP5 (MBS2077478)
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) PE Conjugated Antibody: DUSP5 (MBS2077479)
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) APC Conjugated Antibody: DUSP5 (MBS2077480)
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) Cy3 Conjugated Antibody: DUSP5 (MBS2077481)
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) FITC Conjugated Antibody: DUSP5 (MBS2077482)
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) HRP Conjugated Antibody: DUSP5 (MBS2077483)
Matching Pairs	Unconjugated Antibody: Dual Specificity Phosphatase 5 (MBS2028651) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Dual Specificity Phosphatase 5 (MBS2028651) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: DUSP5 (MBS2028651) Biotin Conjugated Antibody: DUSP5 (MBS2096096)
Molecular Weight	42,253 Da
3D Structure	ModBase 3D Structure for Q1HL35
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

Fragment	DUSP5 (Met1~Gln135)
Organism Species	Mus musculus (Mouse)
Cross Reactivity	Mouse
Conjugate	No Conjugate
Immunogen	Recombinant DUSP5 (Met1~Gln135) expressed in E Coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as catalog #MBS2077480
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-DUSP5 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA)
Application Notes for anti-DUSP5 antibody	Western blotting: 0.2-2ug/mL;1:250-2500 Immunohistochemistry: 5-20ug/mL;1:25-100 Immunocytochemistry: 5-20ug/mL;1:25-100 Optimal working dilutions must be determined by end user.
Related Product Information for anti-DUSP5 antibody	MBS2028651 is an antibody targeting DUSP5. Also known as Polyclonal Antibody to Dual Specificity Phosphatase 5 (DUSP5). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-DUSP5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-DUSP5 antibody
Western Blot: Sample: Recombinant protein.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DUSP5. It may not necessarily be applicable to this product.

NCBI GI #	145966803
NCBI GeneID	240672
NCBI Accession #	NP_001078859.1
UniProt Primary Accession #	Q1HL35
GenBank Nucleotide #	NM_001085390.1
NCBI Official Full Name	dual specificity protein phosphatase 5
NCBI Official Synonym Full Names	dual specificity phosphatase 5
NCBI Official Symbol	Dusp5
NCBI Official Synonym Symbols	Gm337

UniProt Protein Name	Dual specificity protein phosphatase
Protein Family	Dual specificity protein phosphatase
UniProt Gene Name	Dusp5
NCBI Protein Information	dual specificity protein phosphatase 5
UniProt Comments for DUSP5	DUSP5: a dual-specificity protein phosphatase containing one Rhodanese domain. Is a direct transcriptional target of p53. Targets include phosphorylated MAP kinases. Overexpression suppresses the growth of several types of human cancer cells. Induced by IL-2, IL-7, and IL-15 but not IL-4 in T cells. Protein type: EC 3.1.3.16; EC 3.1.3.48; Motility/polarity/chemotaxis; Protein phosphatase, dual-specificity Chromosomal Location of Human Ortholog: 19|19 D2 Molecular Function: MAP kinase tyrosine/serine/threonine phosphatase activity; phosphoprotein phosphatase activity; phosphoric monoester hydrolase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity Biological Process: dephosphorylation; endoderm formation; negative regulation of transcription, DNA-dependent; peptidyl-threonine dephosphorylation
Research Articles on DUSP5	**1.** Dual specificity phosphatase 5 knockout (Dusp5-/-) T cells display increased proliferation, increased apoptosis, and altered metabolic profiles, suggesting that DUSP5 is a pro-survival protein in T cells.
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