

Anti-DUSP3 Antibody

Catalog Number: PA1762

About DUSP3

DUSP3 (Dual-specificity phosphatase 3), also called VHR, is a member of the dual specificity protein phosphatase subfamily. DUSPs constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. DUSP3 contains the consensus DUSP C-terminal catalytic domain but lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs. The DUSP3 gene is mapped on 17q21.31. Confocal microscopy demonstrated that phosphorylated VHR accumulated at the immune synapse between the T cell and the antigen-presenting cell in the presence of antigen. Tyrosine phosphorylation of VHR affects protein-protein interaction, subcellular location, or substrate targeting, given that tyr138 is located on the opposite side of the VHR catalytic center.

Overview

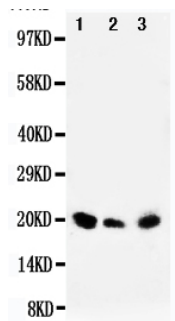
Product Name	Anti-DUSP3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-DUSP3 Antibody catalog # PA1762. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P51452

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human DUSP3, identical to the related rat and mouse sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-DUSP3 Antibody (PA1762) Images



Anti-DUSP3 antibody, PA1762, Western blotting

Lane 1: Rat Testis Tissue Lysate

Lane 2: SKOV Cell Lysate

Lane 3: MM453 Cell Lysate

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