

Anti-OSBP1 Antibody Picoband®

Catalog Number: PA1949

About OSBP

OSBP (Oxysterol-Binding Protein), also called OSBP1, is a protein that in humans is encoded by the OSBP gene. Im et al. (2005) reported the structure of the full-length yeast oxysterol-binding-protein Osh4, a member of the OSBP-related protein (ORP) family, at 1.5- to 1.9-angstrom resolution in complexes with ergosterol, cholesterol, and 7-, 20- and 25-hydroxy cholesterol. Moreira et al. (2001) refined the localization of the OSBP1 gene to chromosome 11q12.1 by radiation hybrid analysis. Wang et al. (2005) found that OSBP functions as a cholesterol-binding scaffolding protein coordinating the activity of 2 phosphatases to control the extracellular signal-regulated kinase (ERK) signaling pathway. Cytosolic OSBP formed an approximately 440-kD oligomer with a member of the PTPPBS family of tyrosine phosphatases, the serine/threonine phosphatase PP2A, and cholesterol.

Overview

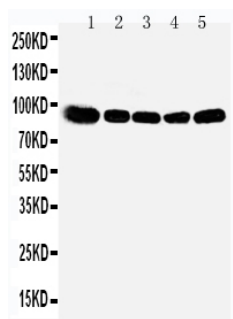
Product Name	Anti-OSBP1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-OSBP1 Antibody catalog # PA1949. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P22059

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human OSBP1, identical to the related rat and mouse sequences.
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	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-OSBP1 Antibody Picoband® (PA1949) Images



Anti-OSBP1 antibody, PA1949, Western blotting
Lane 1: Rat Kidney Tissue Lysate
Lane 2: Rat Spleen Tissue Lysate
Lane 3: Rat Lung Tissue Lysate
Lane 4: HELA Cell Lysate
Lane 5: A549 Cell Lysate

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Anti-OSBP1 Antibody

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