

Datasheet for ABIN7601793
anti-LAT2 antibody (AA 46-217)



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Overview

Quantity:	100 µg
Target:	LAT2
Binding Specificity:	AA 46-217
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-NTAL/LAT2 Antibody Picoband®
Immunogen:	E.coli-derived human NTAL/LAT2 recombinant protein (Position: R46-S217).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NTAL/LAT2 Antibody Picoband® (ABIN7601793). Tested in ELISA, WB applications. This antibody reacts with Human. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	LAT2
Alternative Name:	LAT2 (LAT2 Products)
Background:	Synonyms: Tumor necrosis factor receptor superfamily member 4, MRC OX40, OX40 antigen, OX40L receptor, CD134, Tnfrsf4, Ox40, Txgp1l Background: Linker for activation of T-cells family member 2, also known as WBSCR5 or NTAL is a protein that in humans is encoded by the LAT2 gene. It is mapped to 7q11.23. It has been found that NTAL associated with GRB2, SOS1 and GAB1 after B-cell receptor activation. Phosphorylation of NTAL was strongest in the presence of LCK, ZAP70, SYK, or LYNLAT2. NTAL is a structural and possibly a functional homolog of LAT in non-T cells. It also has been found that BLNK and LAT2 in B cells are a functionally equivalent pair to SLP76 and LAT in T cells. This gene consists of at least 14 exons, and its alternative splicing generates 3 transcript variants, all encoding the same protein.
Molecular Weight:	27 kDa
Gene ID:	7462
Pathways:	Fc-epsilon Receptor Signaling Pathway , BCR Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Brdicka, T., Imrich, M., Angelisova, P., Brdickova, N., Horvath, O., Spicka, J., Hilgert, I., Luskova, P., Draber, P., Novak, P., Engels, N., Wienands, J., Simeoni, L., Osterreicher, J., Aguado, E., Malissen, M., Schraven, B., Horejsi, V. Non-T cell activation linker (NTAL): a transmembrane adaptor protein involved in immunoreceptor signaling. J. Exp. Med. 1617-1626, 2002. 2. Doyle, J. L., DeSilva, U., Miller, W., Green, E. D. Divergent human and mouse orthologs of a novel gene (WBSCR15/Wbscr15) reside within the genomic interval commonly deleted in Williams syndrome. Cytogenet. Cell Genet. 90: 285-290, 2000. 3. Janssen, E., Zhu, M., Zhang, W., Koonpaew, S., Zhang, W. LAB: a new membrane-associated adaptor molecule in B cell activation. Nature Immun. 4: 117-123, 2003.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	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 freezing and thawing.