

Datasheet for ABIN120728
anti-LAT2 antibody (AA 196-212)



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Overview

Quantity:	0.1 mg
Target:	LAT2
Binding Specificity:	AA 196-212
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LAT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Peptide corresponding to aa 196-212 of human NTAL coupled to KLH
Clone:	NAP-03
Isotype:	IgG1
Specificity:	The antibody recognizes the defined epitope (aa 196-212) of Non-T cell activation linker (NTAL), also known as LAB (linker of activated B cells), a 30 kDa transmembrane adaptor protein present in membrane microdomains (rafts) of B cells, NK cells and myeloid cells.
Purification:	Protein A affinity chromatography
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	LAT2
Alternative Name:	LAT2 / WBSCR15 (LAT2 Products)
Background:	NTAL (Non-T cell Activation Linker), also known as LAB (Linker for activation of B cells), is a 30 kDa double-palmitoylated transmembrane adaptor protein expressed by B cells, NK cells, mast cells and macrophages. It is a negative regulator of early stages of BCR-dependent B cell signaling and serves as a negative regulator also in mast cells. However, in mast cells, NTAL also contributes to some activation processes, partially overlapping with LAT function.Synonyms: HSPC046, LAB, LLinker for activation of B-cells, Linker for activation of T-cells family member 2, Membrane-associated adapter molecule, NTAL, Non-T-cell activation linker, WBS15, WBSCR5, Williams-Beuren syndrome chromosomal region 15 protein
Gene ID:	7462
UniProt:	Q9GZY6
Pathways:	Fc-epsilon Receptor Signaling Pathway , BCR Signaling

Application Details

Application Notes:	Immunoprecipitation. Western Blot: Recommended dilution: 1-2 mg/mL, incubation 60 min. Positive control: RAMOS human lymphoma cell line. Sample preparation: Resuspend approx. 50 mil. cells in 1 mLcold Lysis buffer (1 % laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non- reducing SDS-PAGE sample buffer. Application note: Non-Reducing conditions. 12 % separating SDS-PAGE gel. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C/-20 °C
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Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf Life: one year from despatch.
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Expiry Date:	12 months
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