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Datasheet for ABIN94442  
**anti-LAT2 antibody (AA 196-212)**

1 Publication

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:	IgG2a
Specificity:	The antibody NAP-03 recognizes a defined intracellular epitope (aa 196-212) of human Non-T cell Activation Linker (NTAL), also known as LAB (linker of activated B cells), a 30 kDa transmembrane adaptor protein associating with lipid raft components in the plasma membrane of B cells, NK cells and myeloid cells.
No Cross-Reactivity:	Mouse
Cross-Reactivity (Details):	Human

## Product Details

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Purification: Purified by protein-A affinity chromatography.

Purity: > 95 % (by SDS-PAGE)

## Target Details

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Target: LAT2

Alternative Name: NTAL / LAB ([LAT2 Products](#))

Background: Linker for activation of T cells family member 2,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.,LAB, LAT2

Gene ID: 7462

UniProt: [Q9GZY6](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [BCR Signaling](#)

## Application Details

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Application Notes: Immunohistochemistry (paraffin sections): Recommended dilution: 5 µg/mL, positive tissue: tonsil, germinal center.

Western blotting: Recommended dilution: 1-2 µg/mL, incubation 60 min, positive control: RAMOS human lymphoma cell line, non-reducing conditions, 12 % separating SDS-PAGE gel.

Restrictions: For Research Use only

## Handling

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Concentration: 1 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

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 Advice: **Do not freeze.**

## Handling

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Storage: 4 °C

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Storage Comment: Store at 2-8°C. Do not freeze.

## Publications

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Product cited in: Brdicka, Imrich, Angelisová, Brdicková, Horváth, Spicka, Hilgert, Lusková, Dráber, Novák, Engels, Wienands, Simeoni, Osterreicher, Aguado, Malissen, Schraven, Horejsí: "Non-T cell activation linker (NTAL): a transmembrane adaptor protein involved in immunoreceptor signaling." in: **The Journal of experimental medicine**, Vol. 196, Issue 12, pp. 1617-26, (2002) ([PubMed](#)).