

30-1249: Anti-NTAL / LAB Monoclonal Antibody (Clone:NAP-03)

Clonality :	Monoclonal
Clone Name :	NAP-03
Application :	IP, WB, IHC
Reactivity :	Human
Gene :	LAT2
Gene ID :	7462
Uniprot ID :	Q9GZY6
Format :	Purified
Alternative Name :	LAT2,LAB,NTAL,WBS15,WBSCR15,WBSCR5,HSPC046
Isotype :	Mouse IgG2a
Immunogen Information :	Peptide corresponding to aa 196-212 of human NTAL coupled to KLH.

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Immunoprecipitation Western Blotting *Recommended dilution:* 1-2 Åµg/ml, incubation 60 min

Positive control: RAMOS human lymphoma cell line

Sample preparation: Resuspend approx. 50 mil. cells in 1 ml cold 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.

Immunohistochemistry *Recommended dilution:* 5 Åµg/ml

Positive tissue: tonsil, germinal center