NTAL (Phospho Tyr136) Rabbit pAb

CatalogNo: YP1719 **Orthogonal Validated**

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB

MW
- 30kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human LAB (Phospho-Tyr136)
Specificity	This antibody detects endogenous levels of LAB (Phospho-Tyr136) at Human, Mouse,Rat.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):NSyEN

Target Information

Gene name LAT2 LAB NTAL WBS15 WBSCR15 WBSCR5 HSPC046

Protein Name Linker for activation of T-cells family member 2

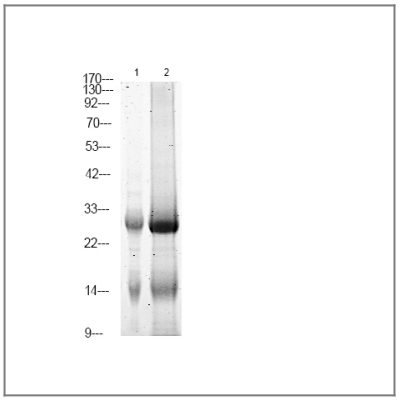
Organism	Gene ID	UniProt ID
Human	7462;	Q9GZY6;
Mouse	56743;	Q9JHL0;
Rat	317676;	Q8CGL2;

Cellular Localization Cell membrane ; Single-pass type III membrane protein . Present in lipid rafts.

Tissue specificity Highly expressed in spleen, peripheral blood lymphocytes, and germinal centers of lymph nodes. Also expressed in placenta, lung, pancreas and small intestine. Present in B-cells, NK cells and monocytes. Absent from T-cells (at protein level).

Function Disease:Defects in LAT2 may be a cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS) [MIM:194050]. WBS is a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23.,Function:Involved in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. May also be involved in BCR (B-cell antigen receptor)-mediated signaling in B-cells and FCGR1 (high affinity immunoglobulin gamma Fc receptor I)-mediated signaling in myeloid cells. Couples activation of these receptors and their associated kinases with distal intracellular events through the recruitment of GRB2.,PTM:May be polyubiquitinated.,PTM:Phosphorylated on tyrosines following cross-linking of BCR in B-cells, FCGR1 in myeloid cells, or FCER1 in mast cells; which induces the recruitment of GRB2.,subcellular location:Present in lipid rafts.,subunit:When phosphorylated, interacts with GRB2. May also interact with SOS1, GAB1 and CBL.,tissue specificity:Highly expressed in spleen, peripheral blood lymphocytes, and germinal centers of lymph nodes. Also expressed in placenta, lung, pancreas and small intestine. Present in B-cells, NK cells and monocytes. Absent from T-cells (at protein level).,

Validation Data



Western Blot analysis of 1 HepG2 cell, 2 Serum-free treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

Contact information

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Please scan the QR code to access additional product information:
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