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LAT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14803c

Product Information

Application	WB, E
Primary Accession	Q9GZY6
Other Accession	NP_054865.2, NP_115852.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34108
Calculated MW	26550
Antigen Region	107-135

Additional Information

Gene ID	7462
Other Names	Linker for activation of T-cells family member 2, Linker for activation of B-cells, Membrane-associated adapter molecule, Non-T-cell activation linker, Williams-Beuren syndrome chromosomal region 15 protein, Williams-Beuren syndrome chromosomal region 5 protein, LAT2, LAB, NTAL, WBS15, WBSCR15, WBSCR5
Target/Specificity	This LAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-135 amino acids from the Central region of human LAT2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LAT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LAT2

Synonyms	LAB, NTAL, WBS15, WBSCR15, WBSCR5
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.
Cellular Location	Cell membrane; Single-pass type III membrane protein Note=Present in lipid rafts
Tissue Location	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)

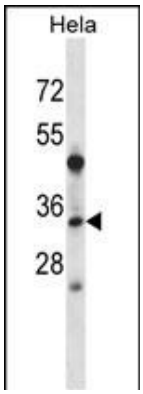
Background

This gene is one of the contiguous genes at 7q11.23 commonly deleted in Williams syndrome, a multisystem developmental disorder. This gene consists of at least 14 exons, and its alternative splicing generates 3 transcript variants, all encoding the same protein.

References

Rieke, C., et al. Cell. Signal. 22(3):395-403(2010)
Luo, X., et al. J. Clin. Endocrinol. Metab. 94(11):4533-4539(2009)
Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)
Svojgr, K., et al. Immunol. Lett. 122(2):185-192(2009)
Whittaker, G.C., et al. Blood 112(7):2869-2877(2008)

Images



LAT2 Antibody (Center) (Cat. #AP14803c) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the LAT2 antibody detected the LAT2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.