

Rabbit anti-Human LILRB1 Polyclonal Antibody | anti-LILRB1 antibody

LILRB1 Antibody (Center)

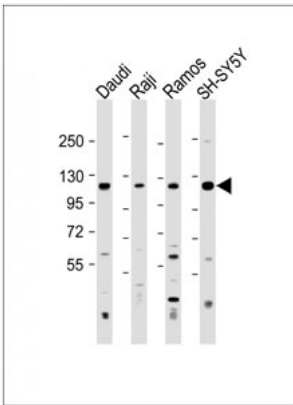
CATALOG # AAA288139	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

LILRB1; Polyclonal Antibody; LILRB1 Antibody (Center); Leukocyte immunoglobulin-like receptor subfamily B member 1; LIR-1; Leukocyte immunoglobulin-like receptor 1; CD85 antigen-like family member J; Immunoglobulin-like transcript 2; ILT-2; Monocyte/macrophage immunoglobulin-like receptor 7; MIR-7; CD85j; ILT2; LIR1; MIR7; anti-LILRB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LILRB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 345-374 amino acids from the Central region of human LILRB1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Length	652
Applicable Applications for anti-LILRB1 antibody	ELISA, WB (Western Blot)
Antigen Region	345-374
Function	Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. Receptor for H301/UL18, a human cytomegalovirus class I MHC homolog. Ligand binding results in inhibitory signals and down-regulation of the immune response. Engagement of LILRB1 present on natural killer cells or T-cells by class I MHC molecules protects the target cells from lysis. Interaction with HLA-B or HLA-E leads to inhibition of the signal triggered by FCER1A and inhibits serotonin release. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed predominantly on B-cells and monocytes, and at lower levels on dendritic cells. Detected on a low percentage of T-cells and natural killer (NK) cells
Preparation and 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.

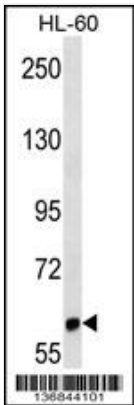


Application Data

LILRB1 All lanes : Anti-LILRB1 Antibody (Center) at 1:500-1:2000 dilution Lane 1: Daudi whole cell lysate Lane 2: Raji whole cell lysate Lane 3: Ramos whole cell lysate Lane 4: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDa Blocking/Dilution buffer: 5% NFD/TBST.

WB (Western Blot)

LILRB1 Antibody (Center) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the LILRB1 antibody detected the LILRB1 protein (arrow).



ADDITIONAL INFORMATION

Related Product Information for anti-LILRB1 antibody	This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-LILRB1 antibody	Immunology
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Davidson, C.L., et al. Hum. Immunol. 71(10):942-949(2010) Huang, J., et al. J. Virol. 84(18):9463-9471(2010) Godal, R., et al. Biol. Blood Marrow Transplant. 16(5):612-621(2010) Lamar, D.L., et al. Blood 115(16):3278-3286(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	126362951
NCBI GeneID	10859
NCBI Accession #	NP_001075106.1; NP_001075107.1; NP_001075108.1; NP_001265327.1; NP_001265328.1; NP_006660.3
NCBI GenBank Nucleotide #	NM_001081637.1
UniProt Accession #	Q8NHL6; O75024; O75025; Q8NHJ9; Q8NHH0; A2IXV4; A8MXT0
NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily B member 1 isoform 2
NCBI Official Synonym Full Names	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1
NCBI Official Symbol	LILRB1

NCBI Official Synonym Symbols	ILT2; LIR1; MIR7; CD85J; ILT-2; LIR-1; MIR-7
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily B member 1
UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily B member 1
UniProt Gene Name	LILRB1
UniProt Synonym Gene Names	ILT2; LIR1; MIR7; LIR-1; Leukocyte immunoglobulin-like receptor 1; ILT-2; MIR-7
UniProt Entry Name	LIRB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lilrb1-antibody-western-blot-elisa/288139>