Rabbit anti-Human LILRA2 Polyclonal Antibody | anti-LILRA2 antibody

LILRA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324805	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

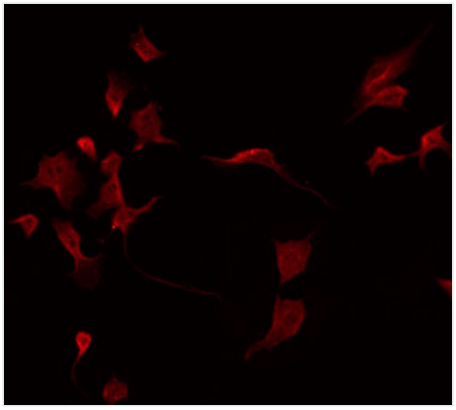
PRODUCT SYNONYMS

LILRA2; Polyclonal Antibody; LILRA2 Antibody; CD85 antigen-like family member H; CD85h; ILT-1; ILT1; Immunoglobulin like transcript 1; Immunoglobulin-like transcript 1; Leukocyte immunoglobulin like receptor 7; Leukocyte immunoglobulin like receptor subfamily A member 2; Leukocyte immunoglobulin-like receptor 7; Leukocyte immunoglobulin-like receptor subfamily A member 2; LIR-7; LIR7; LIRA2_HUMAN; anti-LILRA2 antibody

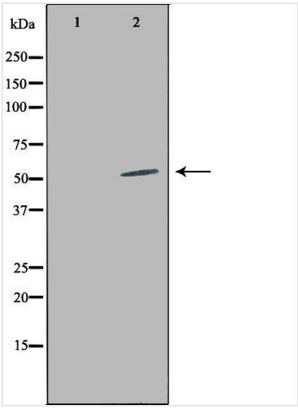
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	LILRA2 antibody detects endogenous levels of total LILRA2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	466
Applicable Applications for anti-LILRA2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Detected on the surface of all peripheral blood monocytes, neutrophils, basophils and eosinophils (at protein level) (PubMed:12529506, PubMed:22479404). Expression levels are very low or not detectable on monocytes, T-cells, B-cells, dendritic cells and natural killer (NK) cells (PubMed:9548455).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324805 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using LILRA2 antibody., The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LILRA2 antibody	Function: Part of the innate immune responses against microbial infection (PubMed:12529506, PubMed:27572839). Specifically recognizes a set of N-terminally truncated immunoglobulins that are produced via cleavage by proteases from a range of pathogenic bacteria and fungi, including L.pneumophila, M.hyorhinis, S.pneumoniae, S.aureus and C.albicans (PubMed:27572839). Recognizes epitopes that are in part in the variable region of the immunoglobulin light chains, but requires also the constant region for signaling (PubMed:27572839). Binds to a subset of cleaved IgM, IgG3 and IgG4 molecules, but does not bind cleaved IgA1 (PubMed:27572839). Binding of N-terminally truncated immunoglobulins mediates activation of neutrophils (PubMed:27572839). In monocytes, activation leads to the release of CSF2, CF3, IL6, CXCL8 and CCL3 and down-regulates responses to bacterial lipopolysaccharide (LPS), possibly via down-regulation of TLR4 expression and reduced signaling via TLR4 (PubMed:22479404). In eosinophils, activation by ligand binding leads to the release of RNASE2, IL4 and leukotriene C4 (PubMed:12529506). Does not bind class I MHC antigens (PubMed:19230061). Subunit Structure: Homodimer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	590122030
NCBI GeneID	11027
NCBI Accession #	NP_006857.2
NCBI GenBank Nucleotide #	NM_006866.3
UniProt Accession #	Q8N149; O75020
Molecular Weight	Observed: 53 kD Predicted: 53 kDa
NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily A member 2 isoform b
NCBI Official Synonym Full Names	leukocyte immunoglobulin like receptor A2
NCBI Official Symbol	LILRA2
NCBI Official Synonym Symbols	ILT1; LIR7; CD85H; LIR-7
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily A member 2
UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily A member 2
UniProt Gene Name	**LILRA2**

UniProt Synonym Gene Names	ILT1; LIR7; LIR-71 PublicationManual assertion based on opinion iniRef.4

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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