10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LILRA5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11643a

Product Information

Application	WB, E
Primary Accession	A6NI73
Other Accession	NP_871715.1, NP_067073.1, NP_871714.1, NP_870994.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30159
Calculated MW	32755
Antigen Region	56-85

Additional Information

Gene ID	353514
Other Names	Leukocyte immunoglobulin-like receptor subfamily A member 5, CD85 antigen-like family member F, Immunoglobulin-like transcript 11, ILT-11, Leukocyte immunoglobulin-like receptor 9, LIR-9, CD85f, LILRA5, ILT11, LILRB7, LIR9
Target/Specificity	This LILRA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-85 amino acids from the N-terminal region of human LILRA5.
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	LILRA5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LILRA5
Synonyms	ILT11, LILRB7, LIR9

Function	May play a role in triggering innate immune responses. Does not seem to play a role for any class I MHC antigen recognition.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed mostly in tissues of the hematopoietic system, including bone marrow, spleen, lymph node and peripheral leukocytes. Among leukocytes, monocytes and neutrophils express the highest level. Expressed in CD14+ monocytes, but not in T-cells, B- cells or natural killer (NK) cells (at protein level)

Background

The protein encoded by this gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LIR family members are known to have activating and inibitory functions in leukocytes. Crosslink of this receptor protein on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses. This gene is one of the leukocyte receptor genes that form a gene cluster on the chromosomal region 19q13.4. Four alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq].

References

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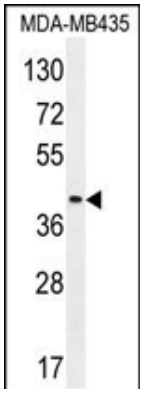
Jones, D.C., et al. Eur. J. Immunol. 39(11):3195-3206(2009)
Shiroishi, M., et al. J. Biol. Chem. 281(28):19536-19544(2006)
Borges, L., et al. Blood 101(4):1484-1486(2003)
Wende, H., et al. Immunogenetics 51 (8-9), 703-713 (2000) :

Images



LILRA5 Antibody (N-term) (Cat. #AP11643a) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the LILRA5 antibody detected the LILRA5 protein (arrow).