

LIR-7 Polyclonal Antibody
Catalog # AP70753**Specification****LIR-7 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q8N149
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

LIR-7 Polyclonal Antibody - Additional Information**Gene ID** 11027**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

LIR-7 Polyclonal Antibody - Protein Information**Name** LILRA2**Synonyms** ILT1, LIR7**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).

[27572839](http://www.uniprot.org/citations/27572839)). Binding of N-terminally truncated immunoglobulins mediates activation of neutrophils (PubMed:[27572839](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/22479404)). In eosinophils, activation by ligand binding leads to the release of RNASE2, IL4 and leukotriene C4 (PubMed:[12529506](http://www.uniprot.org/citations/12529506)). Does not bind class I MHC antigens (PubMed:[19230061](http://www.uniprot.org/citations/19230061)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

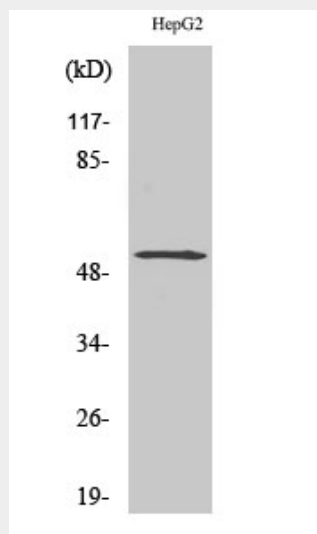
Detected on the surface of all peripheral blood monocytes, neutrophils, basophils and eosinophils (at protein level) (PubMed:12529506, PubMed:22479404). Expression levels are very low or not detectable on monocytes, T-cells, B-cells, dendritic cells and natural killer (NK) cells (PubMed:9548455)

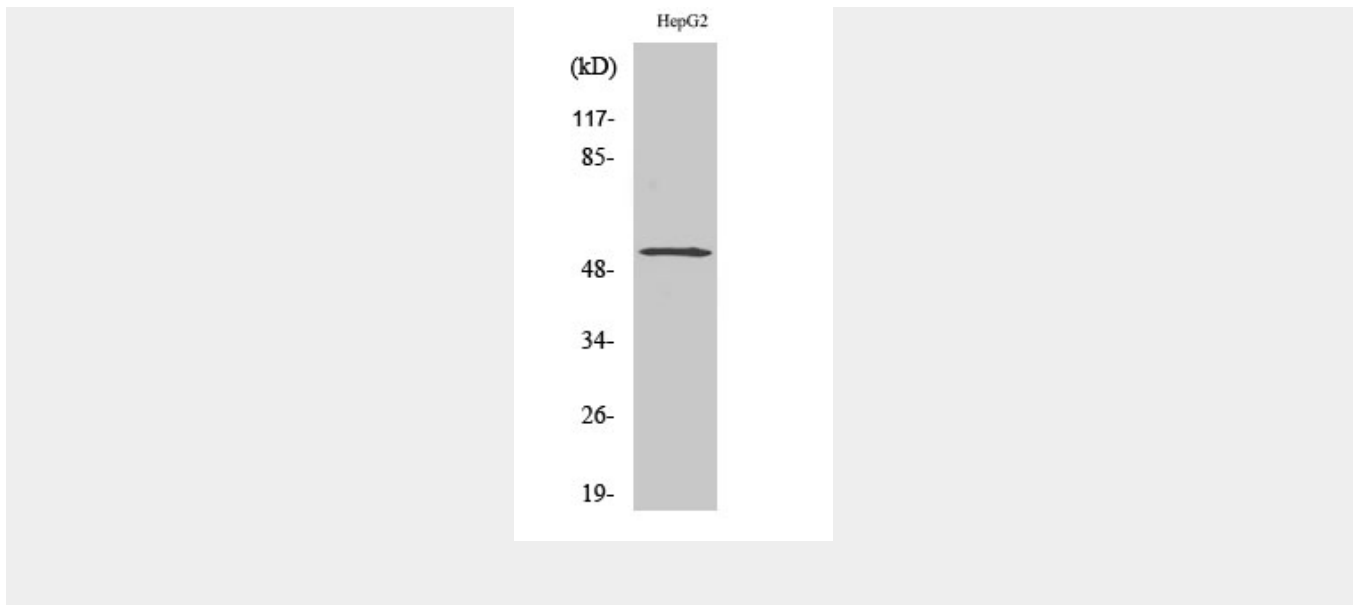
LIR-7 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LIR-7 Polyclonal Antibody - Images





LIR-7 Polyclonal Antibody - Background

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