For Research Use Only

LILRB2 Polyclonal antibody

Catalog Number:14154-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
14154-1-AP

Size:
500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5336

GenBank Accession Number:
BC036827

GeneID (NCBI):
10288

UNIPROT ID:
Q8N423

Full Name:
leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2

Calculated MW:
598 aa, 65 kDa

Observed MW:
60-65 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, Jurkat cells, THP-1 cells

IF/ICC : THP-1 cells,

Background Information

LILRB2 (Leukocyte immunoglobulin-like receptor subfamily B member 2), also known as ILT4, CD85d or MIR10, is a type I transmembrane glycoprotein that contains four extracellular immunoglobulin domains, a transmembrane domain, and three cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs) (PMID: 33928233). LILRB2 is mainly expressed in immunocytes including monocytes, macrophages, and dendritic cells, and transduces negative signals by its association with SHP-1 phosphatase via the ITIMs (PMID: 35717259). LILRB2 can interact with various ligands such as HLA-A, HLA-B, HLA-C, HLA-G, HLA-F, CD1c, CD1d, angiopoietin-like proteins (ANGPTLs), and SEMA4A.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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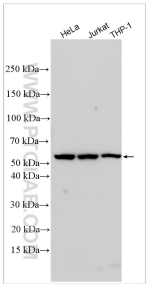
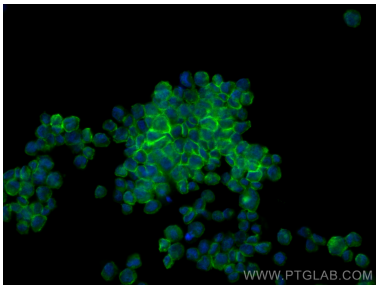
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14154-1-AP (LILRB2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using LILRB2 antibody (14154-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).