

CD85g Polyclonal Antibody
Catalog # AP73441**Specification****CD85g Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	P59901
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

CD85g Polyclonal Antibody - Additional Information**Gene ID** 23547**Other Names**

LILRA4; ILT7; Leukocyte immunoglobulin-like receptor subfamily A member 4; CD85 antigen-like family member G; Immunoglobulin-like transcript 7; ILT-7; CD85g

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

Format

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

Storage Conditions

-20°C

CD85g Polyclonal Antibody - Protein Information**Name** LILRA4 ([HGNC:15503](#))**Function**

Functions coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:<<http://www.uniprot.org/citations/16735691>>16735691, PubMed:<<http://www.uniprot.org/citations/19564354>>19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as a negative regulator of TLR7 and TLR9 signaling cascades (PubMed:<<http://www.uniprot.org/citations/16735691>>16735691, PubMed:<<http://www.uniprot.org/citations/19564354>>19564354, PubMed:<<http://www.uniprot.org/citations/24586760>>24586760). Down-regulates interferon production in response to interaction with BST2 on HIV-1 infected cells (PubMed:<<http://www.uniprot.org/citations/26172439>>26172439). Activates a signaling cascade in complex with FCER1G that results in phosphorylation of Src family

and Syk kinases and thereby triggers mobilization of intracellular Ca^{2+} (PubMed:16735691, PubMed:19564354). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed:24586760).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

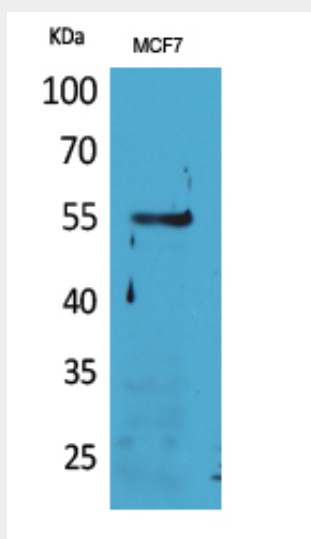
Detected on plasmacytoid dendritic cells (at protein level). Detected on plasmacytoid dendritic cells, but not on monocytes or B cells.

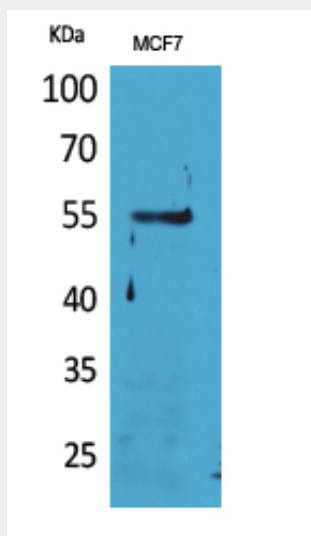
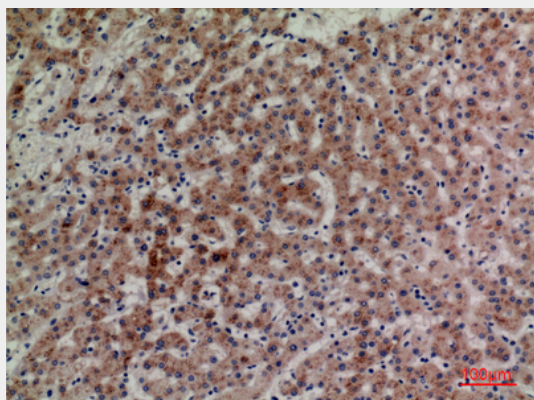
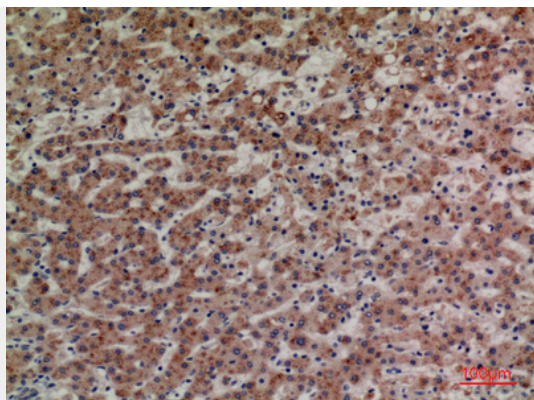
CD85g Polyclonal Antibody - Protocols

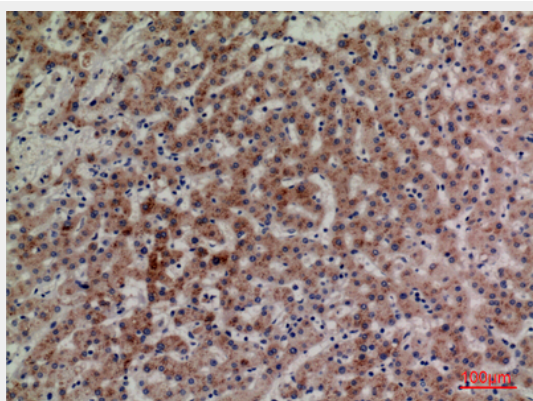
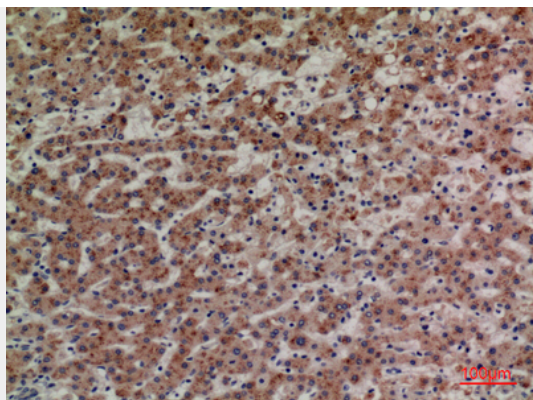
Provided below are standard protocols that you may find useful for product applications.

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

CD85g Polyclonal Antibody - Images







CD85g Polyclonal Antibody - Background

Functions coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:16735691, PubMed:19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine- phosphate-guanosine (CpG) dinucleotides, indicating it functions as negative regulator of TLR7 and TLR9 signaling cascades (PubMed:16735691, PubMed:19564354, PubMed:24586760). Down- regulates interferon production in response to interaction with BST2 on HIV-1 infected cells (PubMed:26172439). Activates a signaling cascade in complex with FCER1G that results in phosphorylation of Src family and Syk kinases and thereby triggers mobilization of intracellular Ca(2+) (PubMed:16735691, PubMed:19564354). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed:24586760).