

## 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~ $\sim$ 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:<a href="http://www.uniprot.org/citations/16735691"

target="\_blank">16735691</a>, PubMed:<a href="http://www.uniprot.org/citations/19564354" target="\_blank">19564354</a>). 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:<a

href="http://www.uniprot.org/citations/16735691" target="\_blank">16735691</a>, PubMed:<a href="http://www.uniprot.org/citations/19564354" target="\_blank">19564354</a>, PubMed:<a href="http://www.uniprot.org/citations/24586760" target=" blank">24586760</a>).

Down-regulates interferon production in response to interaction with BST2 on HIV-1 infected cells (PubMed:<a href="http://www.uniprot.org/citations/26172439" target="\_blank">26172439</a>). 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:<a href="http://www.uniprot.org/citations/16735691" target="\_blank">16735691</a>, PubMed:<a href="http://www.uniprot.org/citations/19564354" target="\_blank">19564354</a>). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed:<a href="http://www.uniprot.org/citations/24586760" target=" blank">24586760</a>).

#### **Cellular Location**

Cell membrane; Single-pass type I membrane protein

### **Tissue Location**

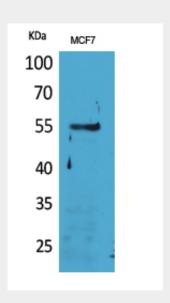
Detected on plasmacytoid dendritic cells (at protein level). Detected on plasmacytoid dendritic cells, but not on monocytes or B cells.

### CD85g Polyclonal Antibody - Protocols

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

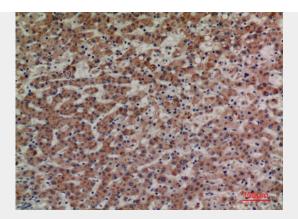
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **CD85g Polyclonal Antibody - Images**

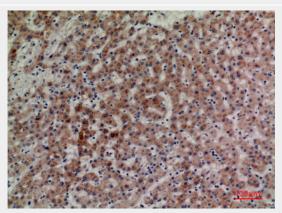


Western Blot analysis of MCF7 cells using CD85g Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

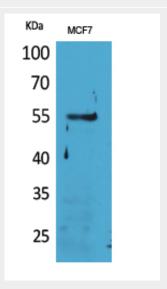




Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100

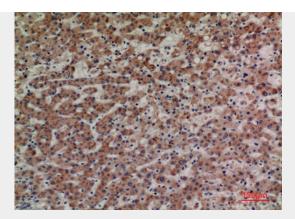


Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100

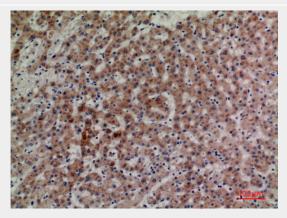


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Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100

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