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

IGSF12 Rabbit pAb

Catalog # AP96545

Product Information

Application	WB
Primary Accession	Q9UGN4
Other Accession	Q9UGN4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33201
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IGSF12/CD300
Epitope Specificity	41-140/299
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CD300 family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
SUBUNIT	Upon tyrosine-phosphorylation, interacts with PTN6/SHP-1 and PTPN11/SHP-2 and INPP5D.
Post-translational modifications	Phosphorylated on tyrosine.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation.

Additional Information

Gene ID	11314
Other Names	CLM-8; CMRF-35-H9; CMRF-35H; CMRF35-H; CMRF35-H9; CMRF35H; CMRF35H9; IGSF12; IRC1; IRC1/IRC2; IRC2; IRp60; CLM8_HUMAN; CD300A; CD300 antigen-like family member A; CMRF-35-H9 (CMRF35-H9); Immunoglobulin superfamily member 12 (IgSF12); Inhibitory receptor protein 60 (IRp60); NK inhibitory receptor; CD300a molecule; CD300a antigen
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CD300A
Synonyms	CMRF35H, IGSF12
Function	Inhibitory receptor which may contribute to the down- regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation (PubMed:10746781, PubMed:16339535, PubMed:9701027). Negatively regulates the Toll-like receptor (TLR) signaling mediated by MYD88 but not TRIF through activation of PTPN6 (PubMed:22043923).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed not only by natural killer (NK) cells but also by T-cell subsets, B-cells, dendritic cells, mast cells, granulocytes and monocytes.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.