

CD158g Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51784**Specification**

CD158g Antibody - Product Information

Application	WB
Primary Accession	Q14953
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34 KDa
Antigen Region	141 - 200

CD158g Antibody - Additional Information**Gene ID** 3810**Other Names**

Killer cell immunoglobulin-like receptor 2DS5, CD158 antigen-like family member G, MHC class I NK cell receptor, Natural killer-associated transcript 9, NKAT-9, CD158g, KIR2DS5, CD158G, NKAT9

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD158g. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CD158g Antibody - Protein Information**Name** KIR2DS5 {ECO:0000303|PubMed:18624290, ECO:0000312|HGNC:HGNC:6337}**Function**

Activating natural killer (NK) receptor that recognizes C2 epitopes of HLA-C alleles. Bridging the innate and adaptive immune systems, NK cells express a number of cell surface receptors which either inhibit or stimulate their cytotoxicity (PubMed:18624290, PubMed:18682925, PubMed:28685972). Able to activate NK cells cytotoxicity and cytokine production such as IFNG (PubMed:18624290, PubMed:24269691). Receptor functions are attenuated even lost in some alleles, such as KIR2DS5*002 represented in this entry (PubMed:28685972).

Cellular Location

Cell membrane; Single-pass type I membrane protein; Extracellular side

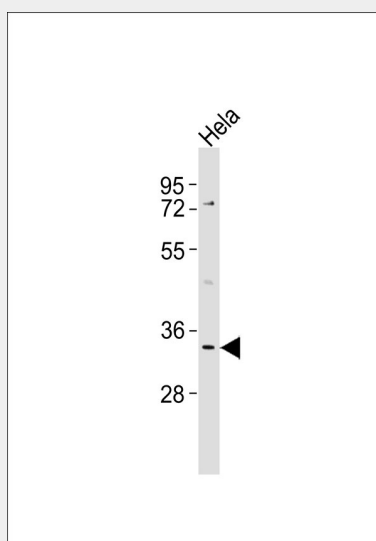
Tissue Location

Expressed on a discrete subset of peripheral blood NK cells.

CD158g 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](#)

CD158g Antibody - Images

Anti-CD158g Antibody at 1:1000 dilution + HeLa whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

CD158g Antibody - Background

Receptor on natural killer (NK) cells for HLA-C alleles. Does not inhibit the activity of NK cells.

CD158g Antibody - References

Doehring C., et al. Immunogenetics 44:227-230(1996).