

Anti-CD158b1 Antibody

Catalog # AP51783

Product Information

Application	WB, IF/IC
Primary Accession	P43627
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38472

Additional Information

Gene ID	3803
Other Names	CD158B1; NKAT6; Killer cell immunoglobulin-like receptor 2DL2; CD158 antigen-like family member B1; MHC class I NK cell receptor; Natural killer-associated transcript 6; NKAT-6; p58 natural killer cell receptor clone CL-43; p58 NK receptor CL-43; CD158b1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD158b1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

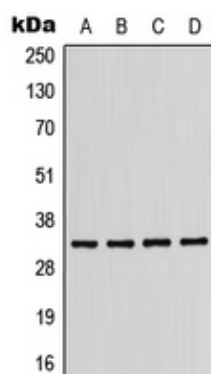
Name	KIR2DL2 (HGNC:6330)
Synonyms	CD158B1, NKAT6
Function	Receptor on natural killer (NK) cells for HLA-Cw1, 3, 7, and 8 allotypes. Inhibits the activity of NK cells thus preventing cell lysis.
Cellular Location	Cell membrane; Single-pass type I membrane protein

References

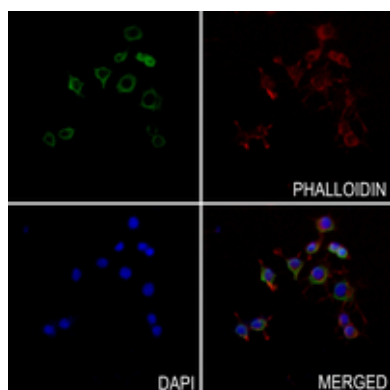
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Snyder G.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:3864-3869(1999).
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Images



Western blot analysis of CD158b1 expression in MDAMB231 (A), Jurkat (B), mouse liver (C), H9C2 (D) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 58 kD)



Immunofluorescent analysis of CD158b1 staining in RAW264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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