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NCR3 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22356a

Product Information

Application	WB, E
Primary Accession	O14931
Other Accession	P61484
Reactivity	Human
Predicted	Human, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB57884
Calculated MW	21593

Additional Information

Gene ID	259197
Other Names	Natural cytotoxicity triggering receptor 3, Activating natural killer receptor p30, Natural killer cell p30-related protein, NK-p30, NKp30, CD337, NCR3, 1C7, LY117
Target/Specificity	This NCR3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 31-65 amino acids from the human region of human NCR3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NCR3 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NCR3 (HGNC:19077)
Synonyms	1C7, LY117

Function	Cell membrane receptor of natural killer/NK cells that is activated by binding of extracellular ligands including BAG6 and NCR3LG1. Stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Selectively expressed by all resting and activated NK cells and weakly expressed in spleen. {ECO:0000269|PubMed:10562324, ECO:0000269|Ref.2}

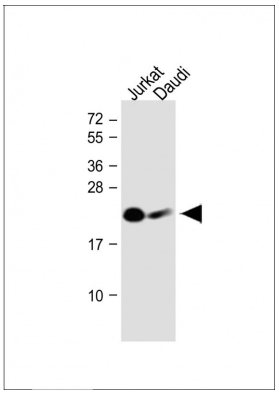
Background

Cytotoxicity-activating receptor that contributes to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis. Engagement of NCR3 by BAG6 also promotes dendritic cell (DC) maturation, both through killing those DCs that did not properly acquire a mature phenotype, and inducing NK cells to release TNFA and IFNG, which promotes DC maturation.

References

Pende D.,et al.J. Exp. Med. 190:1505-1516(1999).
Sato M.,et al.Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
Neville M.J.,et al.J. Immunol. 162:4745-4754(1999).
Nalabolu S.R.,et al.Genomics 31:215-222(1996).
Xie T.,et al.Genome Res. 13:2621-2636(2003).

Images



All lanes : Anti-NCR3 Antibody (N-Term) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: Daudi whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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