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NCR1 Rabbit pAb

Catalog # AP98958

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O76036
Other Accession	O76036
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34480
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NCR1
Epitope Specificity	1-100/304
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 natural cytotoxicity receptor (NCR) family. Contains 2 Ig-like (immunoglobulin-like) domains.
SUBUNIT	Interacts with CD247 and FCER1G
Post-translational modifications	N-glycosylated. O-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The natural cytotoxicity receptors (NCRs) are a recently characterized family of Ig-like activation receptors that appear to be major triggering receptors in tumor cell recognition. NCR1 is a glycoprotein that has two extracellular Ig-like domains followed by a ~40 amino acid residue stalk region, a type I transmembrane domain, and a short cytoplasmic tail. NCR1 has been shown to represent a novel NK cell-specific molecule involved in human NK cell activation. NCR1 has been implicated in NK cell-mediated lysis of several autologous tumor cells and pathogen-infected cell lines.

Additional Information

Gene ID	9437
Other Names	CD335; LY94; NK-p46; NKP46; KILR-1; NCTR1_HUMAN; NCR1; Lymphocyte antigen 94 homolog; NK cell-activating receptor; Natural killer cell p46-related protein (NK-p46 | NKp46 | hNKp46); NCTR1_MOUSE; Activating receptor 1 (mAR-1); Lymphocyte antigen 94; Natural killer cell p46-related protein (NK-p46 | NKp46 | mNKp46); NCTR1_RAT; Activating receptor 1 (rAR-1); NK receptor KILR-1; NKACTR; Natural killer cell p46-related protein (NK-p46 | NKp46); Ar1; Kilr1; natural cytotoxicity triggering receptor 1; lymphocyte antigen 94 (mouse) homolog (activating NK-receptor; NK-p46)
	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=2ug

Dilution	/Test
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	NCR1
Synonyms	LY94
Function	Cytotoxicity-activating receptor that may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Selectively expressed by both resting and activated NK cells.

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