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NKp80 Rabbit pAb

Catalog # AP98083

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NZS2
Other Accession	Q9NZS2
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26563
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KLRF1
Epitope Specificity	35-130/232
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 C-type lectin domain.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KLRF1, an activating homodimeric C-type lectin-like receptor (CTLR), is expressed on nearly all natural killer (NK) cells and stimulates their cytoxicity and cytokine release (Kuttruff et al., 2009 [PubMed 18922855]).[supplied by OMIM, Oct 2009]

Additional Information

Gene ID	51348
Other Names	CLEC5C; NKp80; KLRF1_HUMAN; KLRF1; Lectin-like receptor F1; Activating coreceptor NKp80; C-type lectin domain family 5 member C; ML; killer cell lectin like receptor F1; killer cell lectin-like receptor subfamily F, member 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	KLRF1
Synonyms	CLEC5C, ML

Function	Functions as an activating receptor involved in immunosurveillance upon binding to various ligands displayed at the surface of myeloid cells. Upon interaction with CLEC2B ligand, stimulates NK-cell cytotoxicity and cytokine production leading to the cytolysis of malignant CLEC2B-expressing myeloid cells. Actviation of the common cytotoxicity pathway involves SRC and SYK kinases (PubMed:21149606).
Cellular Location	Membrane; Single-pass type II membrane protein
Tissue Location	Strongly expressed in peripheral blood leukocytes and spleen, with weaker expression in lymph node and adult liver, and no expression detected in bone marrow, thymus, and fetal liver. Not expressed in brain, heart, placenta, lung, kidney, skeletal muscle, and pancreas. Within peripheral blood leukocyte and immunocyte cell lines, expression was predominant in NK cells but was also detected in monocytes.

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