10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RNF19B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11179c

Product Information

Application	WB, FC, E
Primary Accession	Q6ZMZ0
Other Accession	A2A7Q9, NP_001120833.1, NP_699172.2
Reactivity	Human
Predicted	Mouse, Rat, Rabbit, Chicken, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28972
Calculated MW	77925
Antigen Region	369-398

Additional Information

Gene ID	127544
Other Names	E3 ubiquitin-protein ligase RNF19B, 632-, IBR domain-containing protein 3, Natural killer lytic-associated molecule, RING finger protein 19B, RNF19B, IBRDC3, NKLAM
Target/Specificity	This RNF19B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 369-398 amino acids from the Central region of human RNF19B.
Dilution	WB~~1:1000 FC~~1:10~50 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	RNF19B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RNF19B
Synonyms	IBRDC3, NKLAM

Function	E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates, such as UCKL1 (PubMed:16709802, PubMed:27485036). Involved in the cytolytic activity of natural killer cells and cytotoxic T-cells (PubMed:10438909). Protects against staurosporin-induced cell death (PubMed:27485036).
Cellular Location	Cytoplasmic granule membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Expressed specifically in natural killer cells, activated macrophages and cytotoxic T-cells (PubMed:10438909). Present in natural killer cells (at protein level) (PubMed:10912506) Ubiquitously expressed with high expression in testis (PubMed:27485036).

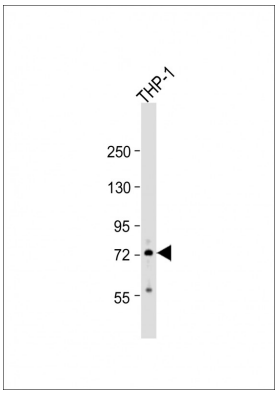
Background

IBRDC3 is a cytolysis-associated transmembrane protein expressed in natural killer (NK) cells and T lymphocytes following cytokine stimulation (Kozlowski et al., 1999 [PubMed 10438909]).

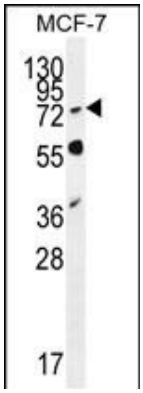
References

Fortier, J.M., et al. J. Immunol. 176(11):6454-6463(2006)
Kozlowski, M., et al. J. Immunol. 163(4):1775-1785(1999)

Images

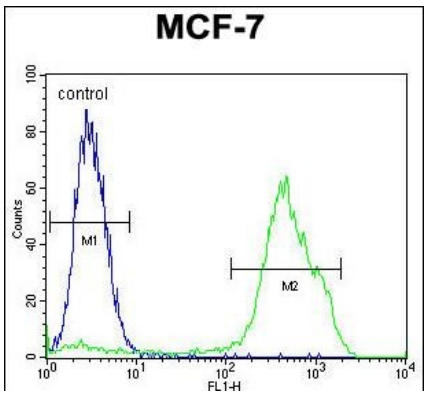


Anti-RNF19B Antibody (Center) at 1:500 dilution + THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 78 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



RNF19B Antibody (Center) (Cat. #AP11179c) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the RNF19B antibody detected the RNF19B protein (arrow).

RNF19B Antibody (Center) (Cat. #AP11179c) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary



antibodies were used for the analysis.

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