

For Research Use Only

Perforin Polyclonal antibody

Catalog Number: 14580-1-AP

11 Publications



Basic Information

Catalog Number:

14580-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6060

GenBank Accession Number:

BC063043

GeneID (NCBI):

5551

UNIPROT ID:

P14222

Full Name:

perforin 1 (pore forming protein)

Calculated MW:

61 kDa

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, chicken

Positive Controls:

WB: CTLL-2 cells, mouse kidney tissue

Background Information

Perforin 1 (PRF1) is one of the major cytolytic proteins of cytolytic granules. It is known to be a crucial effector molecule in cytolytic T lymphocyte and natural killer cell-mediated cytotoxicity. This protein has structural and functional similarities to complement component C9. Like C9, this protein creates transmembrane tubules and is capable of lysing nonspecifically a variety of target cells. Defects in PRF1 are the cause of familial hemophagocytic lymphohistiocytosis type 2 (FHL2), which is characterized by immune dysregulation with hypercytokinemia and defective natural killer cell function. (PMID: 2417226; 7774276; 2783486; 10583959)

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoyin Wang	33068832	Mol Immunol	WB
Chengguo Li	34625086	J Exp Clin Cancer Res	IF
Cui-Ying Chen	23164636	Res Vet Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

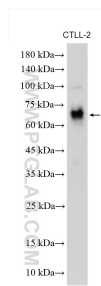
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14580-1-AP (Perforin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.