

For Research Use Only

Perforin Polyclonal antibody

Catalog Number: 14580-1-AP

11 Publications



Basic Information

Catalog Number:

14580-1-AP

Size:

500 ug/ml

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

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

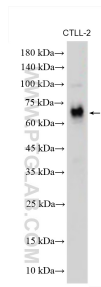
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.