

For Research Use Only

# Perforin Polyclonal antibody, PBS Only

Catalog Number: 14580-1-PBS



## Basic Information

Catalog Number:	14580-1-PBS	GenBank Accession Number:	BC063043	Purification Method:
Size:	100ug, Concentration: 1mg/ml by Nanodrop;	GenID (NCBI):	5551	Antigen affinity purification
Source:	Rabbit	UNIPROT ID:	P14222	
Isotype:	IgG	Full Name:	perforin 1 (pore forming protein)	
Immunogen Catalog Number:	AG6060	Calculated MW:	61 kDa	
		Observed MW:	70-75 kDa	

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse

## 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)

## Storage

### Storage:

Store at -80°C.

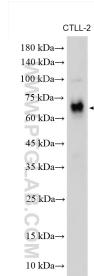
### Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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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. This data was developed using the same antibody clone with 14580-1-PBS in a different storage buffer formulation.