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# Datasheet for ABIN6264417 anti-Perforin 1 antibody (N-Term)

2 Images



### Overview

Quantity:	100 µL
Target:	Perforin 1 (PRF1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Perforin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	A synthesized peptide derived from human PRF1, corresponding to a region within N-terminal amino acids.
Isotype:	lgG
Specificity:	PRF1 Antibody detects endogenous levels of total PRF1.
Predicted Reactivity:	Horse,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:

Perforin 1 (PRF1)

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Target Details	
Alternative Name:	PRF1 (PRF1 Products)
Background:	Description: Plays a key role in secretory granule-dependent cell death, and in defense against virus-infected or neoplastic cells. Plays an important role in killing other cells that are recognized as non-self by the immune system, e.g. in transplant rejection or some forms of autoimmune disease. Can insert into the membrane of target cells in its calcium-bound form, oligomerize and form large pores. Promotes cytolysis and apoptosis of target cells by facilitating the uptake of cytotoxic granzymes. Gene: PRF1
Molecular Weight:	61kDa
Gene ID:	5551
UniProt:	P14222
Pathways:	Apoptosis, Caspase Cascade in Apoptosis
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

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#### Immunohistochemistry

**Image 1.** ABIN6276284 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22<sub>j</sub>ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary

## kDa 1 2 250-150-100-75-50-37-25-20-15-

#### Western Blotting

**Image 2.** Western blot analysis of K562 whole cell lysates, using PRF1 Antibody. The lane on the left is treated with the antigen-specific peptide.

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