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**Product Name: Perforin Rabbit Polyclonal Antibody****Catalog #: APRab00479**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	Calculated MW: 61 kDa; Observed MW: 61 kDa

**Antigen Information**

<b>Gene Name</b>	PRF1
<b>Alternative Names</b>	Perforin-1; P1; Cytolysin; Lymphocyte pore-forming protein; PFP
<b>Gene ID</b>	5551
<b>SwissProt ID</b>	P14222
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human PRF1. AA range:451-500

**Background**

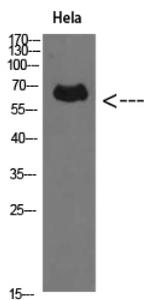
The protein encoded by this gene has structural and functional similarities to complement component 9 (C9). Like C9, this

protein creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. This protein is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity. Defects in this gene cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood. Alternative splicing results in multiple transcript variants encoding the same protein.

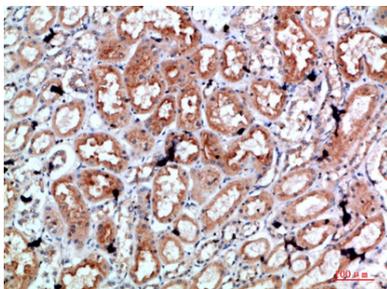
## Research Area

Immunology

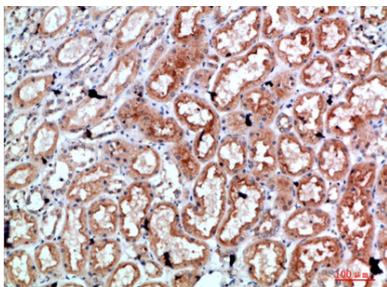
## Image Data



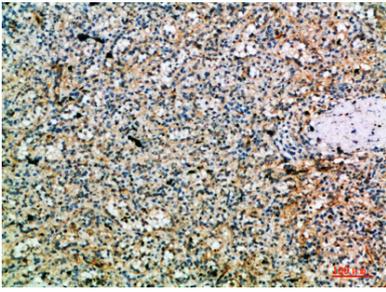
Western blot analysis of Perforin in HeLa lysates using Perforin antibody.



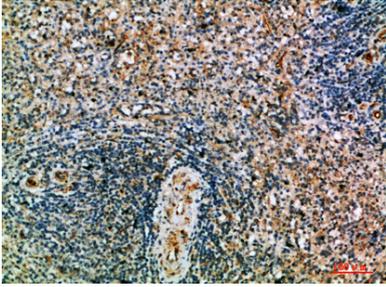
Immunohistochemistry analysis of paraffin-embedded Human kidney using Perforin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded Human kidney using Perforin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded Human spleen using Perforin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded Human spleen using Perforin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.