ELK Biotechnology

Perforin 1 rabbit pAb

Cat No.:ES8510

For research use only

Overview

Product Name	Perforin 1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:500-2000, IHC 1:50-200, ELISA 1:10000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human PRF1. AA range:451-500
Specificity	Perforin 1 Polyclonal Antibody detects endogenous levels of Perforin 1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Perforin 1
Gene Name	PRF1
Cellular localization	Cytolytic granule . Secreted. Cell membrane ; Multi-pass membrane protein . Endosome lumen . Stored in cytolytic granules of cytolytic T-lymphocytes and secreted into the cleft between T-lymphocyte and target cell (PubMed:20038786). Inserts into the cell membrane of target cells and forms pores (PubMed:20889983). Membrane insertion and pore formation requires a major conformation change (PubMed:20889983). May be taken up via endocytosis involving clathrin-coated vesicles and accumulate in a first time in large early endosomes (PubMed:20038786). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	61kD

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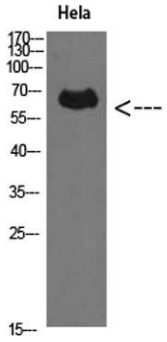
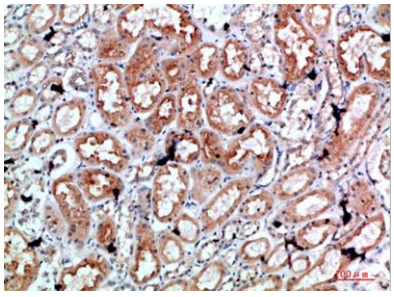
Human Gene ID	5551
Human Swiss-Prot Number	P14222
Alternative Names	Perforin-1 (P1) (Cytolysin) (Lymphocyte pore-forming protein) (PFP)
Background	The protein encoded by this gene has structural and functional similarities to complement component 9 (C9). Like C9, this protein creates transmembrane tubules 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 cytolysis. 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. [provided by RefSeq, Jul 2008],



Western Blot analysis of Hela cells using Perforin 1 Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



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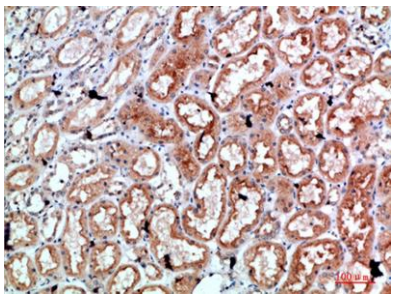
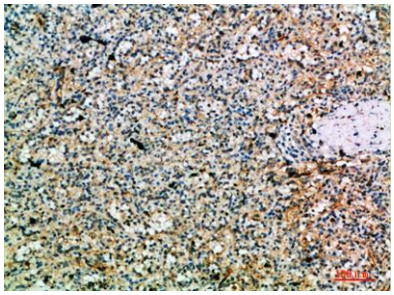


Immunohistochemical analysis of paraffin-embedded human-spleen, antibody was diluted at 1:200



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