

PRF1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11986

Specification

PRF1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P14222
Other Accession	NM_005041 , NP_005032
Reactivity	Human, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59kDa KDa

PRF1 antibody - N-terminal region - Additional Information

Gene ID 5551

Alias Symbol **FLH2, HPLH2, MGC65093, P1, PFP, PFN1**

Other Names

Perforin-1, P1, Cytolysin, Lymphocyte pore-forming protein, PFP, PRF1, PFP

Format

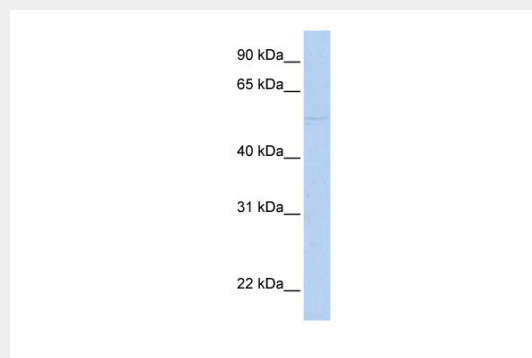
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PRF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PRF1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.



WB Suggested Anti-PRF1 Antibody Titration:
0.2-1 µg/ml
Positive Control: MCF7 cell lysate

PRF1 antibody - N-terminal region - References

Okur,H., (2008) Leuk. Res. 32 (6), 972-975
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

PRF1 antibody - N-terminal region - Protein Information**Name** PRF1**Synonyms** PFP**Function**

Pore-forming protein that plays a key role in secretory granule-dependent cell death, and in defense against virus-infected or neoplastic cells (PubMed:9058810, PubMed:9164947, PubMed:20889983, PubMed:21037563). 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 (PubMed:9058810). Can insert into the membrane of target cells in its calcium-bound form, oligomerize and form large pores (PubMed:20889983, PubMed:21037563). Promotes cytolysis and apoptosis of target cells by facilitating the uptake of cytotoxic granzymes (PubMed:20038786, PubMed:20225066, PubMed:32299851).

Cellular Location

Cytolytic granule. Secreted. Cell membrane; Multi-pass membrane protein. Endosome lumen. Note=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).

PRF1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)