Perforin Rabbit pAb

Catalog NO.: A0093SP **11 Publications**

Basic Information

Observed MW
70 kDa

Calculated MW
61 kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IHC-P, ELISA

Cross-Reactivity
Human, Mouse

Conjugation
Unconjugated

Background

This gene encodes a protein with structural similarities to complement component C9 that is important in immunity. This protein forms membrane pores that allow the release of granzymes and subsequent cytolysis of target cells. Whether pore formation occurs in the plasma membrane of target cells or in an endosomal membrane inside target cells is subject to debate. Mutations in this gene are associated with a variety of human disease including diabetes, multiple sclerosis, lymphomas, autoimmune lymphoproliferative syndrome (ALPS), aplastic anemia, and familial hemophagocytic lymphohistiocytosis type 2 (FHL2), a rare and lethal autosomal recessive disorder of early childhood.

Recommended Dilutions

WB	1:10000 - 1:40000
IF/ICC	1:100 - 1:200
IHC-P	1:200 - 1:800

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
5551

Swiss Prot
P14222

Immunogen
This information is considered to be commercially sensitive.

Synonyms
P1; PFP; HPLH2; Perforin

Contact

Product Information

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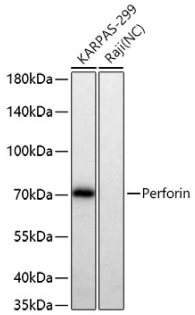
Source
Rabbit

Isotype
IgG

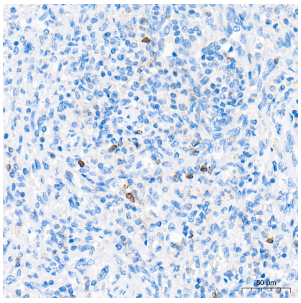
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

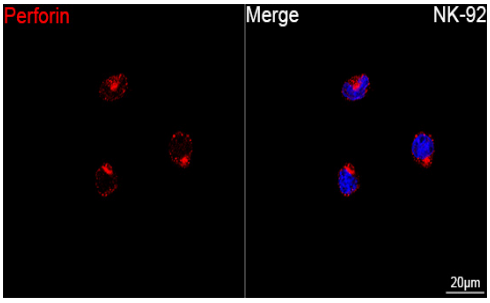
Validation Data



Western blot analysis of various lysates using Perforin Rabbit pAb (A0093SP) at 1:10000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Raji.
Exposure time: 45 s.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Perforin Rabbit pAb (A0093SP) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of NK-92 cells using Perforin Rabbit pAb (A0093SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

For research use only. Not for therapeutic or diagnostic purposes.

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