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Performance guaranteed

Perforin Polyclonal Antibody

Catalog Number **PA5-17431**

Product data sheet

Details	
Size	100 µL
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Synthetic peptide corresponding to residues surrounding leucine 349 of mouse perforin
Conjugate	Unconjugated
Form	Liquid
Concentration	113 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage Conditions	-20°C

Species Reactivity	
Species reactivity	Mouse

Tested Applications	Dilution *
Western Blot (WB)	1:1,000

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

It is not recommended to aliquot this antibody.

Background/Target Information

Perforin is one of the major cytolytic proteins of cytolytic granules. Perforin is a cytolytic mediator and is stored in and released by cytoplasmic granules. Moreover, perforin is involved in immune defense against tumors and virus infections as mediated by cytotoxic lymphocytes. Perforin is a 555 amino acid protein with a 21 amino acid signal peptide, and has a molecular weight of 70 to 75 kD. Perforin is a pore forming protein with a mechanism of transmembrane channel formation similar to C9, and homology between perforin and C9 have been demonstrated. Studies show that perforin is expressed only in killer cell lines and not in helper T lymphocytes or other tumor cells tested. Perforin is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytolysis. Defects in the perforin 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 of perforin.

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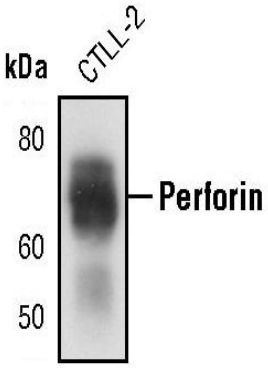
Product Images For Perforin Polyclonal Antibody



Perforin Antibody (PA5-17431) in WB

Western blot analysis of Perforin in extracts from CTLL-2 cells using Perforin polyclonal antibody (Product # PA5-17431).

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