

Datasheet for ABIN6940385

anti-Perforin 1 antibody (AA 413-552)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Perforin 1 (PRF1)
Binding Specificity:	AA 413-552
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Perforin 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant human Perforin-1 protein fragment (around aa 413-552) (exact sequence is proprietary)
Clone:	PRF1-2467
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Perforin 1 (PRF1)
Alternative Name:	PRF1 (PRF1 Products)
Background:	Perforin is a pore-forming protein that leads to osmotic lysis of the target cells and

Target Details

subsequently enables granzymes to enter the target cells and activate apoptosis. Perforin 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. It is one of the main cytolytic proteins of cytolytic granules, and 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. The expression of perforin is reportedly upregulated in activated CD8+ T-cells, natural killer cells and some CD4+ T-cells.

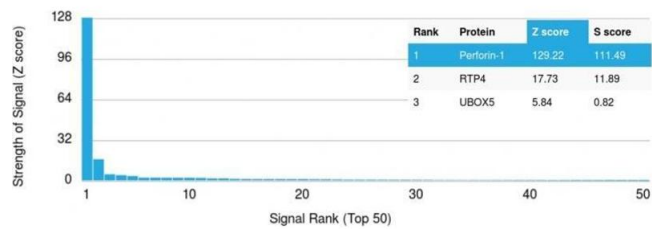
Molecular Weight:	75kDa
Gene ID:	5551
UniProt:	P14222
Pathways:	Apoptosis , Caspase Cascade in Apoptosis

Application Details

Application Notes:	Positive Control: HDLM-2 cells. Human spleen tissue (IHC). Known Application: ELISA (For coating, order Ab without BSA), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



Protein Array

Image 1. Analysis of Protein Array containing more than 19,000 full-length human proteins using Perforin-1 Mouse Monoclonal Antibody (PRF1/2467) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.