Perforin (ABT236R) IHC kit

CatalogNo: IHCM7190 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,

Applications
- IHC

Isotype
- IgG1,Kappa

Recommended Dilution Ratios

Storage

Storage*	2°C to 8°C/1 year

Basic Information

Clonality	Monoclonal
Clone Number	ABT236R

Immunogen Information

Immunogen	Synthesized peptide derived from human Perforin AA range:1-100
Specificity	This antibody detects endogenous levels of Perforin

Target Information

Gene name	PRF1

Protein Name Cytolysin;FLH2;HPLH2;Lymphocyte pore-forming protein;P1;PERF_HUMAN;perforin 1 (pore forming protein);Perforin 1;Perforin-1;PFP;PGFL;PIGF;PIGF-2;PLGF;Pore forming protein;prf1;SHGC-10760

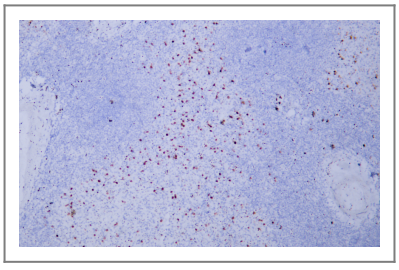
Organism	Gene ID	UniProt ID
Human	5551;	P14222;
Mouse		P10820;
Rat		P35763;

Cellular Localization Cytoplasmic, Membranous

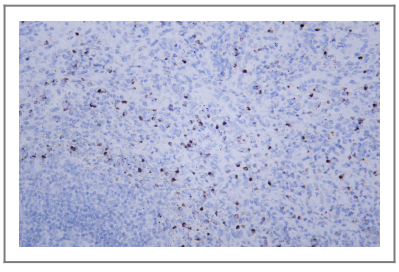
Tissue specificity Spleen

Function Disease:Defects in PRF1 are the cause of familial hemophagocytic lymphohistiocytosis type 2 (FHL2) [MIM:603553]; also known as HPLH2. Familial hemophagocytic lymphohistiocytosis (FHL) is a genetically heterogeneous, rare autosomal recessive disorder. It is characterized by immune dysregulation with hypercytokinemia and defective natural killer cell function. The clinical features of the disease include fever, hepatosplenomegaly, cytopenia, hypertriglyceridemia, hypofibrinogenemia, and neurological abnormalities ranging from irritability and hypotonia to seizures, cranial nerve deficits, and ataxia. Hemophagocytosis is a prominent feature of the disease, and a non-malignant infiltration of macrophages and activated T lymphocytes in lymph nodes, spleen, and other organs is also found.,Function:In the presence of calcium, perforin polymerizes into transmembrane tubules and is capable of lysing non-specifically a variety of target cells.,induction:Repressed by contact with target cells.,online information:Perforin entry,online information:PRF1 mutation db,similarity:Belongs to the complement C6/C7/C8/C9 family.,similarity:Contains 1 C2 domain.,similarity:Contains 1 EGF-like domain.,similarity:Contains 1 MACPF domain.,subcellular location:Cytoplasmic granules of cytolytic T-lymphocytes.,

Validation Data



Human spleen tissue was stained with anti-Perforin (ABT236R) rabbit Antibody



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Contact information

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Please scan the QR code to access additional product information:
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