

## Product datasheet

# Anti-Perforin antibody [CB5.4] ab16074

★★★★★ 2 Abreviews 15 References 画像数 1

### 製品の概要

製品名	Anti-Perforin antibody [CB5.4]
製品の詳細	Rat monoclonal [CB5.4] to Perforin
由来種	Rat
アプリケーション	適用あり: WB, IHC-Fr, IHC-P, ICC, IP, ICC/IF
種交差性	交差種: Mouse
免疫原	Recombinant fragment, corresponding to amino acids 98 - 534 of Mouse Perforin.
エピトープ	This antibody recognizes mouse perforin, region amino acids 402-534.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: PBS
精製度	>95% by SDS-PAGE
ポリ/モノ	モノクローナル
クローン名	CB5.4
アイソタイプ	IgG2a

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab16074** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

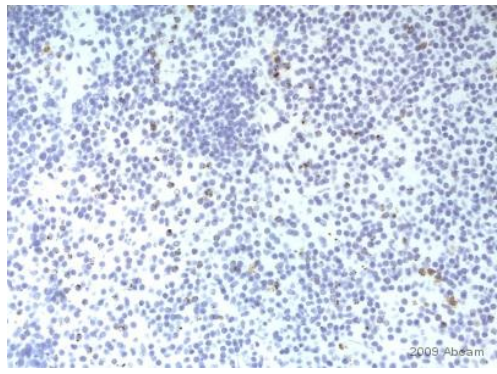
アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 66 kDa (predicted molecular weight: 66 kDa).
IHC-Fr		Use at an assay dependent concentration.

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★	Use at an assay dependent concentration.
ICC		Use a concentration of 5 µg/ml.
IP		Use at an assay dependent concentration.
ICC/IF	★★★★☆	Use at an assay dependent concentration.

## ターゲット情報

機能	Plays a key role in secretory granule-dependent cell death, and in defense against virus-infected or neoplastic cells. 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. Can insert into the membrane of target cells in its calcium-bound form, oligomerize and form large pores. Promotes cytolysis and apoptosis of target cells by facilitating the uptake of cytotoxic granzymes.
関連疾患	Defects in PRF1 are the cause of hemophagocytic lymphohistiocytosis familial 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.
配列類似性	Belongs to the complement C6/C7/C8/C9 family. Contains 1 C2 domain. Contains 1 EGF-like domain. Contains 1 MACPF domain.
ドメイン	The C2 domain mediates calcium-dependent binding to lipid membranes. A subsequent conformation change leads to membrane insertion of beta-hairpin structures and pore formation. The pore is formed by transmembrane beta-strands.
翻訳後修飾	N-glycosylated.
細胞内局在	Cytoplasmic granule lumen. Secreted. Cell membrane. Endosome lumen. Stored in cytoplasmic granules of cytolytic T-lymphocytes and secreted into the cleft between T-lymphocyte and target cell. Inserts into the cell membrane of target cells and forms pores. Membrane insertion and pore formation requires a major conformation change. May be taken up via endocytosis involving clathrin-coated vesicles and accumulate in a first time in large early endosomes.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Perforin antibody [CB5.4] (ab16074)

This image is courtesy of an anonymous Abreview

ab16074 staining Perforin in Mouse lymphoid tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with a zinc-based fixative and blocked with rodent block-M for 20 minutes at 20°C. Samples were incubated with primary antibody (1/50 in TBS + 0.05% Tween20) for 1 hour at 20°C. A HRP-conjugated Goat polyclonal was used as the secondary antibody.

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