

Rabbit Anti-Perforin Polyclonal: RC0418

Intended Use: For Research Use Only

Description: Perforin is a potent cytolytic pore forming protein. It is a specific marker of functionally active cytotoxic T-lymphocytes (CTLs) and natural killer (NK) cells. Perforin is a key effector mechanism in T cell mediated cytotoxicity. It mediates cytolysis of target cells by membrane damage and apoptosis.

Specifications:

Clone: Polyclonal
Source: Rabbit
Isotype: IgG
Reactivity: Human, mouse, rat
Localization: Granular cytoplasm
Formulation: Purified antibody with 0.2% BSA and 15mM sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC, ELISA, IF, IP, WB
Package:

Description	Catalog No.	Size
Perforin Concentrated	RC0418	1 ml

IHC Procedure*:

Positive Control Tissue: Spleen
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



Human FFPE spleen stained with anti-Perforin using DAB

References:

1. Protective effects of hypothalamic beta-endorphin neurons against alcohol-induced liver injuries and liver cancers in rat animal models. Murugan, S. et al. Alcoholism, clinical and experimental research. 38: 2988-97, 2014.
2. Distinct expression of perforin and granzyme B in lip and oral cavity squamous cell carcinoma. Costa, NL. et al. J. Oral Pathol. Med. 40: 380-384, 2011.
3. Transcriptome analysis in mouse tumors induced by Ret-MEN2/FMTC mutations reveals subtype-specific role in survival and interference with immune surveillance. Engelmann, D. et al. Endocr. Relat. Cancer. 16: 211-224, 2009.
4. CMV increases tubular apoptosis through the TNF-alpha-TNF-R1 pathway in a rat model of chronic renal allograft rejection. Krogerus, L. et al. Transpl. Immunol. 18: 232-236, 2008.

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