

Granzyme B Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50024

Clone# BP6029

Predicted Molecular Wt: 28kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P10144

Background:

Granzyme B is serine proteases that mediate apoptotic signaling in cytotoxic T lymphocytes (CTL) and in natural killer (NK) cells. Granzyme B is synthesized as inactive proenzymes, and they are stored within cytolytic granules and released by effector cells during degradation.

Recent studies have demonstrated that the expression of granzyme B by immunohistochemistry in several entities of extranodal peripheral T cell lymphoma (PTCL) and NK cell lymphomas, including nasal and nasal-type NK/T cell lymphomas, hepatosplenic and non-hepatosplenic PTCL, enteropathy-type (ETCL) and non-ETCL intestinal PTCL, subcutaneous panniculitis-like PTCL (SPTCL), cutaneous CD8+ epidermotropic lymphomas as well as in nodal and cutaneous CD30+ anaplastic large cell lymphomas (ALCL).

The expression of cytotoxic proteins, such as granzyme B may be important for the identification and classification of extranodal T- and NK-cell lymphomas since many of these tumors do not have specific morphology and phenotype.

Subcellular location:

Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to Granzyme B residues within aa100-200 of Granzyme B was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

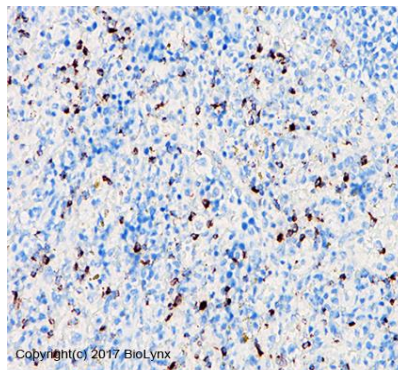
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:


IHC-P: 1:100-1:200

Background References:

1. Froelich CJ, et.al, J Immunol. 1993 Dec 15;151(12):7161-71.
2. Hodge G, et.al, Clin Exp Immunol. 2014 Oct;178(1):79-85.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of spleen tissue labelling granzyme B with BP6029. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.