



Rabbit Anti-Human GZMB Monoclonal Antibody, clone CQ7130 (CABT-Z202R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to Granzyme B residues within aa100-200 of Granzyme B was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7130
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	28 kDa
Cellular Localization	Cytoplasm
Positive Control	Spleen
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	GZMB; granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1); HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1

GENE INFORMATION

Gene Name	GZMB
Entrez Gene ID	3002
UniProt ID	P10144