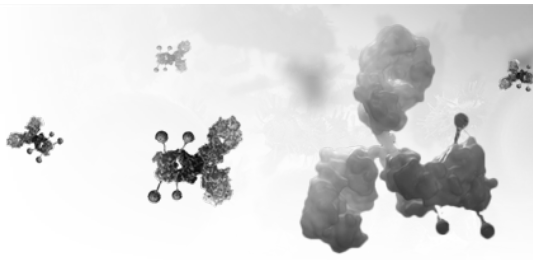

Rabbit Anti-Human CASP5 monoclonal antibody, clone TE314-3 (CABT-L782)

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

PRODUCT INFORMATION

Target	Caspase 5
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TE314-3
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP
Molecular Weight	47 kDa
Positive Control	A549, SHG-44, Hela, human liver tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

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cycles.

BACKGROUND

Introduction	Caspases are cysteine proteases which play important roles in the activation of cytokines and in apoptosis. The ICE subfamily of caspases comprises peptides closely related to caspase-1, which promotes maturation of interleukin 1β (IL-1β) and interleukin-18 (IL-18) by proteolytic cleavage of precursor forms to generate biologically active peptides. Both caspase-4 and caspase-5 are members of the caspase-1 subfamily, and are more closely related to each other than to other homologues. Caspase-5 (also designated ICErel-III, TY, ICH-3 and caspase-12 in mouse), can cleave its own precursor, an activity that requires the cysteine 245 residue. Frameshift mutations in caspase-5 have been identified in MMP tumors of the endometrium, colon, and stomach, indicating the caspase-5 may be a new target gene in the microsatellite mutator pathway for cancer. The human caspase 5 gene maps to chromosome 11q22.2-q22.3 and encodes a protein whose expression is barely detectable in most tissues except brain, with highest expression levels being found in lung, liver and skeletal muscle.
Keywords	Apoptosis related cysteine protease;CASP-5;CASP5;CASP5_HUMAN;Caspase-5 subunit p10;ICE(rel)-III;ICERELIII;ICH 3;ICH 3 protease;Protease ICH-3;Protease TY;TY;TY protease antibody

GENE INFORMATION

Entrez Gene ID	838
UniProt ID	P51878

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