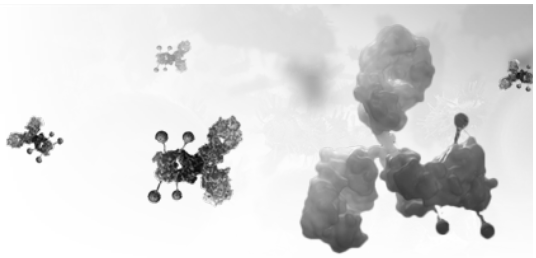

Rabbit Anti-Human CASP8 monoclonal antibody, clone TE19-17 (CABT-L802)

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

PRODUCT INFORMATION

Target	Caspase-8
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TE19-17
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	55/46 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	A549, Jurkat, Hela, human tonsil tissue, human lung cancer tissue, human spleen tissue, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Initiator caspases, which include caspase-8, activate effector caspases by cleaving inactive forms of effector caspases. In the activation cascade responsible for apoptosis induced by TNFRSF1A and mediated by TNFRSF6/FAS, caspase-8 is the most upstream protease. Caspase-8 binds to adaptor molecule FADD, forming an aggregate referred to as death-inducing signaling complex (DISC), which activates caspase-8. The actived protein is released from the complex and further activates downstream apoptotic proteases. Caspase-8, which is a heterodimer consisting of two subunits (p18 and p10), is widely expressed, but is detected at highest levels in peripheral blood leukocytes (PBLs), thymus, liver and spleen. Defects in CASP8, the gene encoding for caspase-8, may cause CASP8D (caspase-8 deficiency disorder), which is characterized by splenomegaly and CD95-induced apoptosis of PBLs, may lead to immunodeficiency due to defects in T lymphocyte, NK cell and B lymphocyte activation.
Keywords	ALPS2B;Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 12 protein;Apoptotic cysteine protease;Apoptotic protease Mch-5;Apoptotic protease Mch5;CAP4;CASP-8;CASP8;CASP8_HUMAN;Caspase 8;Caspase 8 apoptosis related cysteine peptidase;Caspase-8 subunit p10;CED 3;FADD Like ICE;FADD-homologous ICE/CED-3-like protease;FADD-like ICE;FLICE;FLJ17672;ICE-like apoptotic protease 5;MACH alpha 1/2/3 protein;MACH;MACH beta 1/2/3/4 protein;MCH5;MGC78473;MORT1 associated ced 3 homolog;MORT1-associated CED-3 homolog;OTTHUMP00000163717;OTTHUMP00000163720;OTTHUMP00000163724;OTTHUMP0000016 antibody

GENE INFORMATION

Entrez Gene ID	841
UniProt ID	A0A024R3Z8

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