



Anti-CASP8 monoclonal antibody, clone 30-Kbo-3005 (DCABY-430)

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

PRODUCT INFORMATION

Antigen Description	Caspase-8 is classified as an initiator caspase and acts as the most upstream trigger of Fas-Receptor (CD95) and tumour necrosis factor receptor 1 (TNFR1) mediated apoptosis. Upon activation, the cell death receptor Fas links with the adaptor molecule FADD via corresponding death domains (DD). FADD in turn then binds via death effector domains (DEDs) to procaspase-8, which then undergoes oligomerization and autocatalytic activation. Active Caspase-8 is capable of cleaving all other known caspases, and also cleaves the Bcl-2 family member BH3-interacting domain death agonist (BID), along with the Bcl-2 associated protein p28Bap31.
Specificity	This antibody specifically recognises human caspase-8, otherwise known as Fas-linked ICE-like protease (FLICE), a cytosolic protein which shares homology with both Fas-associated via death domain (FADD) and the ICE/Ced-3 family of cysteine proteases.
Immunogen	Full-length human caspase-8
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	30-Kbo-3005
Conjugate	Unconjugated
Applications	ELISA, Western Blot
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Format	Purified IgG - liquid

Size	100 µg
Buffer	Phosphate buffered saline
Preservative	None
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CASP8 caspase 8, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP8
Synonyms	CASP8; caspase 8, apoptosis-related cysteine peptidase; CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8; caspase-8; FADD-like ICE; MACH-alpha-1/2/3 protein; apoptotic protease Mch-5; MACH-beta-1/2/3/4 protein; apoptotic cysteine protease; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; FADD-homologous ICE/CED-3-like protease; caspase 8, apoptosis-related cysteine protease
Entrez Gene ID	841
Protein Refseq	NP_001073593
UniProt ID	A0A024R3Z8
Chromosome Location	2q33-q34
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; cysteine-type endopeptidase activity involved in apoptotic signaling pathway; cysteine-type peptidase activity; death effector domain binding; peptidase activity; protease binding; protein binding; tumor necrosis factor receptor binding; ubiquitin protein ligase binding
References	1. Cohen, G.M. (1997) Caspases: the executioners of apoptosis. Biochem. J. 326: 1-16.