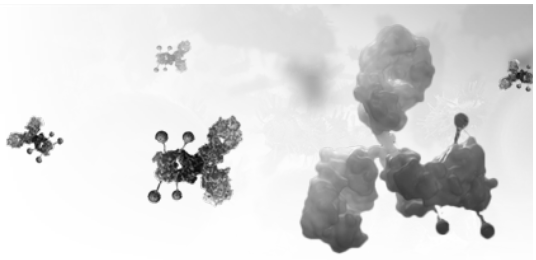

Anti-CASP8 monoclonal antibody, clone N493 (DCABH-1181)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Caspase-8 p18
Antigen Description	Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp--AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.
Immunogen	Recombinant fragment corresponding to Human Caspase-8 p18 (C terminal).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	N493
Conjugate	Unconjugated
Applications	WB
Positive Control	Human Jurkat, K562, and A431 cells.

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Format	Liquid
Size	100 µl
Buffer	Preservative: 0.05% Sodium azide; Constituents: 49% PBS, 50% Glycerol, 0.1% BSA
Preservative	0.05% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	CASP8 caspase 8, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP8
Synonyms	CASP8; caspase 8, apoptosis-related cysteine peptidase; caspase 8, apoptosis related cysteine protease; caspase-8; Casp 8; FLICE; MACH; MCH5; FADD-like ICE; MACH-alpha-1/2/3 protein; apoptotic protease Mch-5; MACH-beta-1/2/3/4 protein; apoptotic cysteine
Entrez Gene ID	841
Protein Refseq	NP_001073593
UniProt ID	A0A024R3Z8
Chromosome Location	2q33-q34
Pathway	Activation of Pro-Caspase 8, organism-specific biosystem; Activation, myristolyation of BID and translocation to mitochondria, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type peptidase activity; identical protein binding; peptidase activity; protein binding; tumor necrosis factor receptor binding;

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