



Anti-CASP8 monoclonal antibody, clone 660DU9.6.3 (DCABY-1033)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain, a large protease subunit, and a small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined. [provided by RefSeq].
Specificity	This CASP2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 432-461 amino acids from human CASP2.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	660DU9.6.3
Conjugate	Unconjugated
Applications	WB
Molecular Weight	55391 Da

Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Size	100 µl
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Ship	Blue ice

GENE INFORMATION

Gene Name	CASP8 caspase 8, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP8
Synonyms	CASP8; MCH5; Caspase-8; Apoptotic cysteine protease; Apoptotic protease Mch-5; CAP4; FADD-homologous ICE/ced-3-like protease; FADD-like ICE; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; Caspase-8 subunit p18; Caspase-8 subunit p10
Entrez Gene ID	841
Protein Refseq	NP_001073593
UniProt ID	A0A024R3Z8
Chromosome Location	2q33-q34
Pathway	AGE/RAGE pathway; Activated TLR4 signalling; Activation, myristoylation of BID and translocation to mitochondria; Alzheimer's disease; Alzheimers Disease; Apoptosis; Apoptosis Modulation and Signaling; Apoptosis Modulation by HSP70;
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