



Anti-CASP6 monoclonal antibody, clone 7DTQ04 (DMAB5479MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti-human caspase 6 monoclonal antibody.
Antigen Description	Caspase-6 is an enzyme that in humans is encoded by the CASP6 gene. CASP6 orthologs have been identified in numerous mammals for which complete genome data are available. Unique orthologs are also present in birds, lizards, lissamphibians, and teleosts.
Specificity	This antibody reacts with a 34 kD protein known as Caspase 6. Caspases play a major role in the transduction of the apoptotic signal and execution of apoptosis in mammalian cells. Caspase 3 (CPP32) and Caspase 6 (Mch2) are the major active caspases in apoptotic cells and are activated in response to distinct apoptosis-inducing stimuli. Caspase 6 cleaves nuclear mitotic apparatus protein and mediates the shrinkage and fragmentation of nuclei.
Immunogen	BALB/C mice were immunized with recombinant human Caspase 6 prodomain.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	7DTQ04
Conjugate	Unconjugated
Applications	IHC
Cellular Localization	Cytoplasmic
Positive Control	Tonsil
Format	This antibody is supplied as purified ascites containing sodium azide as a preservative.

Preservative	See individual product datasheet
Storage	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

GENE INFORMATION

Gene Name	CASP6 caspase 6, apoptosis-related cysteine peptidase [Homo sapiens]
Synonyms	CASP6; MCH2; caspase 6, apoptosis-related cysteine peptidase; EC 3.4.22; OTTHUMP00000162742; OTTHUMP00000162743; Apoptotic protease Mch-2; CASP-6; caspase-6; apoptotic protease MCH-2; caspase 6, apoptosis-related cysteine protease; NP_001217.2; EC 3.4.22.59; NP_116787.1
Entrez Gene ID	839
Protein Refseq	NP_001217
UniProt ID	P55212
Chromosome Location	4q25
Pathway	Apoptosis; Apoptosis Modulation by HSP70; Apoptotic cleavage of cellular proteins; Apoptotic execution phase; Breakdown of the nuclear lamina; C-MYB transcription factor network; Caspase cascade in apoptosis; Caspase-mediated cleavage of cytoskeletal prot
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity; protein binding