



Anti-CASP9 monoclonal antibody, clone E21DH9 (DCABH-2896)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Caspase-9
Antigen Description	Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.
Immunogen	Synthetic peptide: CEDESPGSNPEPD, corresponding to amino acids 304-315 of Human Caspase 9 (UniProt ID: P55211).
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	E21DH9
Purification	Near homogeneity, as judged by SDS-PAGE. This antibody was produced in vitro using hybridomas grown in serum free medium, and then purified by biochemical fractionation.
Conjugate	Unconjugated
Applications	WB
Positive Control	Human recombinant active Caspase 9 protein; RIPA extract of HeLa cells treated for 4 hours with 1 μ M Staurosporine
Format	Liquid
Size	100 μ g

Buffer	Preservative: 0.02% Sodium azide; Constituent: 99% HBS
Preservative	0.02% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP9
Synonyms	CASP9; caspase 9, apoptosis-related cysteine peptidase; caspase 9, apoptosis related cysteine protease; caspase-9; APAF 3; ICE LAP6; MCH6; PPP1R56; protein phosphatase 1; regulatory subunit 56; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apop
Entrez Gene ID	842
Protein Refseq	NP_001220
UniProt ID	P55211
Chromosome Location	1p36.21
Pathway	AKT phosphorylates targets in the cytosol, organism-specific biosystem; Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
Function	cysteine-type endopeptidase activity; enzyme activator activity; peptidase activity; protein binding;