



Anti-CASP10 (aa 1-110) polyclonal antibody (DPAB-DC3475)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein which is 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Immunogen	CASP10 (NP_116756, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MKSQGQHWYSSSDKNCKVSFREKLLIDSNLGVQDVENLKFLCIGLVPNKKLEKSSSASD VFEHLLAEDLLSEEDPFFLAELLYIIRQKKLLQHLNCTKEEVERLLPTRQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CASP10 caspase 10, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP10
Synonyms	CASP10; caspase 10, apoptosis-related cysteine peptidase; MCH4; ALPS2; FLICE2; caspase-10; CASP-10; FADD-like ICE2; apoptotic protease MCH-4; ICE-like apoptotic protease 4; interleukin-1B-converting enzyme 2; caspase 10, apoptosis-related cysteine protease; FAS-associated death domain protein interleukin-1B-converting enzyme 2;
Entrez Gene ID	843
Protein Refseq	NP_001193453
UniProt ID	Q92851
Chromosome Location	2q33-q34
Pathway	Apoptosis; Caspase cascade in apoptosis; Direct p53 effectors; FAS (CD95) signaling pathway
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic signaling pathway; death effector domain binding; protein binding