



Human APAF1 blocking peptide (CDBP0417)

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

PRODUCT INFORMATION

Product Overview	APAF1 (N - term) peptide (human)
Antigen Description	This gene encodes a cytoplasmic protein that initiates apoptosis. This protein contains several copies of the WD-40 domain, a caspase recruitment domain (CARD), and an ATPase domain (NB-ARC). Upon binding cytochrome c and dATP, this protein forms an oligomeric apoptosome. The apoptosome binds and cleaves caspase 9 preproprotein, releasing its mature, activated form. Activated caspase 9 stimulates the subsequent caspase cascade that commits the cell to apoptosis. Alternative splicing results in several transcript variants encoding different isoforms.
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	0.2 mg/ml
Size	50 µg
Buffer	PBS with 0.1% BSA 0.02% sodium azide pH7.2
Preservative	0.02% Sodium Azide
Storage	Upon receipt - Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name [APAF1 apoptotic peptidase activating factor 1 \[Homo sapiens \]](#)

Official Symbol	APAF1
Synonyms	APAF1; apoptotic peptidase activating factor 1; apoptotic peptidase activating factor , apoptotic protease activating factor; apoptotic protease-activating factor 1; APAF 1; CED4; APAF-1; DKFZp781B1145;
Entrez Gene ID	317
mRNA Refseq	NM_001160
Protein Refseq	NP_001151
UniProt ID	O14727
Chromosome Location	12q23
Pathway	Activation of caspases through apoptosome-mediated cleavage, 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; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;
Function	ADP binding; ATP binding; cysteine-type endopeptidase activator activity involved in apoptotic process; nucleotide binding; protein binding;