



Human APAF1 blocking peptide (CDBP0416)

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

PRODUCT INFORMATION

Product Overview	APAF - 1 (C - 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, IHC
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;