



# Human APAF1 blocking peptide (CDBP0416)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	APAF - 1 ( C - term ) peptide ( human )
<b>Antigen Description</b>	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.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL, IHC
<b>Concentration</b>	0.2 mg/ml
<b>Size</b>	50 µg
<b>Buffer</b>	PBS with 0.1% BSA 0.02% sodium azide pH7.2
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	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 \[ Homo sapiens \]](#)

<b>Official Symbol</b>	APAF1
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">317</a>
<b>mRNA Refseq</b>	<a href="#">NM_001160</a>
<b>Protein Refseq</b>	<a href="#">NP_001151</a>
<b>UniProt ID</b>	O14727
<b>Chromosome Location</b>	12q23
<b>Pathway</b>	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;
<b>Function</b>	ADP binding; ATP binding; cysteine-type endopeptidase activator activity involved in apoptotic process; nucleotide binding; protein binding;