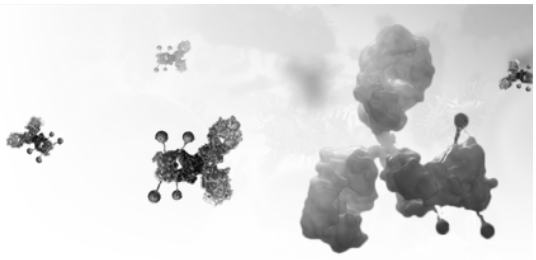

APAF1 blocking peptide (CDBP5071)

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

PRODUCT INFORMATION

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. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	APAF1 apoptotic peptidase activating factor 1 [Homo sapiens (human)]
Official Symbol	APAF1
Synonyms	APAF1; apoptotic peptidase activating factor 1; CED4; APAF-1; apoptotic protease-activating factor 1

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	317
mRNA Refseq	NM_001160
Protein Refseq	NP_001151
UniProt ID	O14727
Pathway	Activation of caspases through apoptosome-mediated cleavage; Alzheimer's disease; Alzheimers Disease; Amyotrophic lateral sclerosis (ALS); Apoptosis; Apoptosis Modulation and Signaling; Apoptosis Modulation by HSP70; Apoptotic factor-mediated response
Function	ADP binding; ATP binding; cysteine-type endopeptidase activator activity involved in apoptotic process; identical protein binding; nucleotide binding; protein binding

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