



Anti-APAF1 (aa 12-28) polyclonal antibody (CPBT-66396RA)

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

PRODUCT INFORMATION

Product Overview	Apaf1 (Apoptosis protease activating factor 1) is the mammalian homologue of the CED-4 cell death protein in <i>C. Elegans</i> . Apaf1 binds to cytochrome C and caspase-9 leading to caspase-9 activation, resulting in the beginning of the proteolytic cascade characteristic of apoptosis. Apaf1 can also associate with caspase-4 and caspase-8. recognises a 130kD band in Western blots.
Specificity	APAF1
Immunogen	Synthetic peptide corresponding to amino acids 12-28 of human Apaf1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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; APAF1;
Entrez Gene ID	317
Protein Refseq	NP_001151
UniProt ID	O14727
Chromosome Location	12q23
Pathway	Activation of caspases through apoptosome-mediated cleavage; Alzheimers 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;