



Anti-APAF1 (aa 1138-1237) polyclonal antibody (DPAB-DC1580)

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.
Immunogen	APAF1 (NP_037361, 1138 a.a. ~ 1237 a.a) partial recombinant protein with GST tag. The sequence is GEIRIWNVSNGELLHLCAPLSEEGAATHGGWVTDLCFSPDGKMLISAGGYIKWWNVVTGE SSQTFYTNGTNLKKIHVSPDFKTYVTVDNLGILYILQTL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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;
Entrez Gene ID	317
Protein Refseq	NP_001151
UniProt ID	O14727
Chromosome Location	12q23
Pathway	Activation of caspases through apoptosome-mediated cleavage; Alzheimers Disease; Apoptosis; Apoptosis Modulation by HSP70
Function	ADP binding; ATP binding; cysteine-type endopeptidase activator activity involved in apoptotic process; identical protein binding
