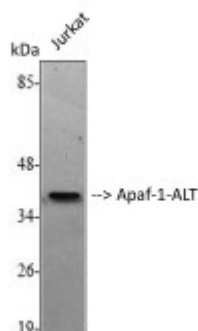


Anti-Apaf-1-ALT antibody



Description	Rabbit polyclonal to Apaf-1-ALT.
Model	STJ91620
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Apaf-1-ALT
Immunogen Region	260-340 aa, C-terminal
Gene Symbol	APAF1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	Apaf-1-ALT Polyclonal Antibody detects endogenous levels of Apaf-1-ALT protein.
Tissue Specificity	Ubiquitous. Highest levels of expression in adult spleen and peripheral blood leukocytes, and in fetal brain, kidney and lung. Isoform 1 is expressed in heart, kidney and liver.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Apoptotic protease-activating factor 1 APAF-1
Molecular Weight	40 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Alternative Names	Apoptotic protease-activating factor 1 APAF-1
Function	Oligomeric Apaf-1 mediates the cytochrome c-dependent autocatalytic activation of pro-caspase-9 (Apaf-3), leading to the activation of caspase-3 and apoptosis. This activation requires ATP. Isoform 6 is less effective in inducing apoptosis.
Sequence and Domain Family	The CARD domain mediates interaction with AIP1.; The monomeric form is autoinhibited in a closed conformation through a bound ADP at the nucleotide binding site. Exchange of ADP for ATP and binding of cytochrome c trigger a large conformational change where the first WD repeat region swings out, allowing the NB-ARC domain to rotate and expose the contact areas for oligomerization .
Cellular Localization	Cytoplasm