

产品名称: APAF1 (1L2) Rabbit Monoclonal Antibody
产品货号: AMRe06987



产品概述 (Summary)

产品名称 (Production Name)	APAF1 (1L2) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	APAF1
别名 (Alternative Names)	APAF; APAF-1; APAF1; apoptotic peptidase activating factor 1; apoptotic protease activating factor 1; Apoptotic protease-activating factor 1; CED4; DKFZp781B1145; KIAA0413
基因 ID (Gene ID)	317.0
蛋白 ID (SwissProt ID)	O14727.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	142kDa

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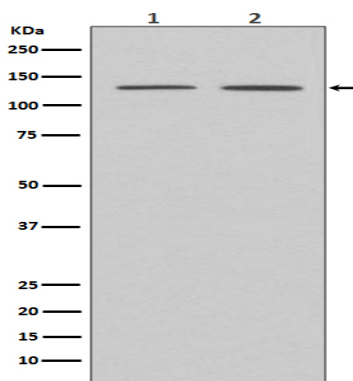
研究背景 (Background)

APAF 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. Induced by E2F and p53 in apoptotic neurons. Monomer. Oligomerizes upon binding of cytochrome c and dATP. Oligomeric Apaf-1 and pro-caspase-9 bind to each other via their respective NH2-terminal CARD domains and consecutively mature caspase-9 is released from the complex. Pro-caspase-3 is recruited into the Apaf-1-pro-caspase-9 complex via interaction with pro-caspase-9. Interacts with APIP. 6 isoforms of the human protein are produced by alternative splicing. 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.

研究领域 (Research Area)

p53;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Alzheimer's disease;Parkinson's disease;Amyotrophic lateral sclerosis (ALS);Huntington's disease;Small cell lung cancer;

图片 (Image Data)



Western blot analysis of APAF1 expression in (1) HeLa cell lysate; (2) MCF-7 cell lysate.

注意事项 (Note)

For research use only .