

产品名称: Cleaved-Caspase-4/5 p20 (D270/D311) Rabbit Polyclonal Antibody
产品货号: APRab08960



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Caspase-4/5 p20 (D270/D311) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CASP4
别名 (Alternative Names)	CASP4; ICH2; Caspase-4; CASP-4; ICE(rel)-II; Protease ICH-2; Protease TX; CASP5; ICH3; Caspase-5; CASP-5; ICE(rel)-III; Protease ICH-3; Protease TY
基因 ID (Gene ID)	837.0
蛋白 ID (SwissProt ID)	P49662/P51878.The antiserum was produced against synthesized peptide derived from human Caspase 4/5. AA range:221-270

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	47,22kDa

产品名称: Cleaved-Caspase-4/5 p20 (D270/D311) Rabbit
Polyclonal Antibody
产品货号: APRab08960

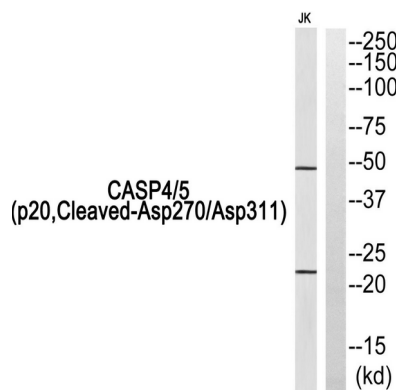
研究背景 (Background)

This gene encodes a protein that is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008],catalytic activity:Strict requirement for Asp at the P1 position. It has a preferred cleavage sequence of Tyr-Val-Ala-Asp-|- but also cleaves at Asp-Glu-Val-Asp-|-,function:Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves caspase-1.,PTM:The two subunits are derived from the precursor sequence by an autocatalytic mechanism or by cleavage by Caspase-8.,similarity:Belongs to the peptidase C14A family.,similarity:Contains 1 CARD domain.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a small and a large subunit.,tissue specificity:Widely expressed, with highest levels in spleen and lung. Moderate expression in heart and liver, low expression in skeletal muscle, kidney and testis. Not found in the brain.,

研究领域 (Research Area)

Cell Biology

图片 (Image Data)



Western blot analysis of Caspase 4/5 (p20, Cleaved-Asp270/Asp311) Antibody. The lane on the right is blocked with the Caspase 4/5 (p20, Cleaved-Asp270/Asp311) peptide.

注意事项 (Note)

For research use only .