

产品名称: Caspase-9 Rabbit Polyclonal Antibody
产品货号: APRab07989



产品概述 (Summary)

产品名称 (Production Name)	Caspase-9 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
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)	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)	CASP9
别名 (Alternative Names)	CASP9; MCH6; Caspase-9; CASP-9; Apoptotic protease Mch-6; Apoptotic protease-activating factor 3; APAF-3; ICE-like apoptotic protease 6; ICE-LAP6
基因 ID (Gene ID)	842.0
蛋白 ID (SwissProt ID)	P55211.The antiserum was produced against synthesized peptide derived from human Caspase 9. AA range:91-140

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	46kDa

产品名称: Caspase-9 Rabbit Polyclonal Antibody
产品货号: AP Rab07989



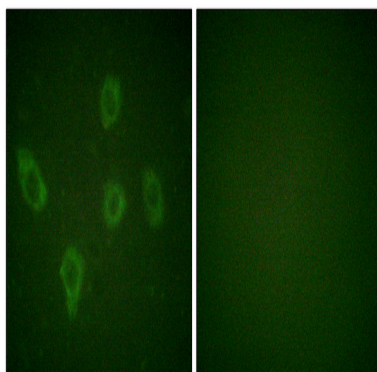
研究背景 (Background)

This gene encodes 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013], catalytic activity: Strict requirement for an Asp residue at position P1 and with a marked preference for His at position P2. It has a preferred cleavage sequence of Leu-Gly-His-Asp-|-Xaa, function: Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP), function: Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9, online information: Caspase-9 entry, PTM: Cleavages at Asp-315 by granzyme B and at Asp-330 by caspase-3 generate the two active subunits. Caspase-8 and -10 can also be involved in these processing events, 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 35 kDa (p35) and a 10 kDa (p10) subunit. Caspase-9 and APAF1 bind to each other via their respective NH2-terminal CED-3 homologous domains in the presence of cytochrome C and ATP. Interacts with the inhibitors BIRC2, BIRC4, BIRC5 and BIRC7, tissue specificity: Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues,

研究领域 (Research Area)

p53; Apoptosis_Inhibition; Apoptosis_Mitochondrial; Apoptosis_Overview; VEGF; Alzheimer's disease; Parkinson's disease; Amyotrophic lateral sclerosis (ALS); Huntington's disease; Pathways in cancer; Colorectal cancer; Pancreatic cancer; Endometrial cancer; Prostate cancer; Small cell lung cancer; Non-small cell lung cancer; Viral myocarditis;

图片 (Image Data)

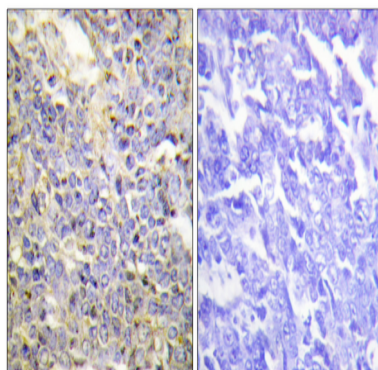


Immunofluorescence analysis of HUVEC cells, using Caspase 9 Antibody. The picture on the right is blocked with the

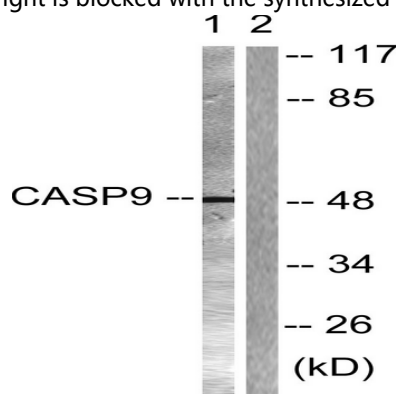
产品名称: Caspase-9 Rabbit Polyclonal Antibody
产品货号: AP Rab07989



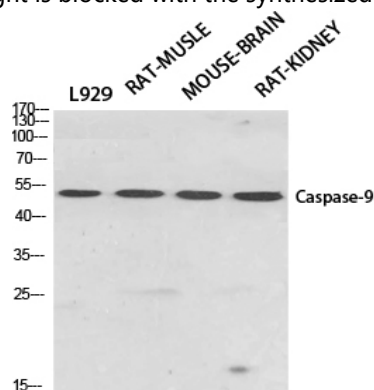
synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Caspase 9 Antibody. The picture on the right is blocked with the synthesized peptide.

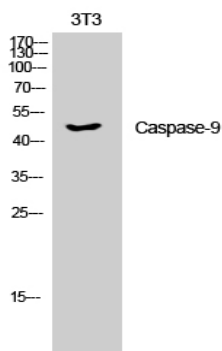


Western blot analysis of lysates from NIH/3T3 cells, treated with TNF- α 20ng/ml 30', using Caspase 9 Antibody. The lane on the right is blocked with the synthesized peptide.

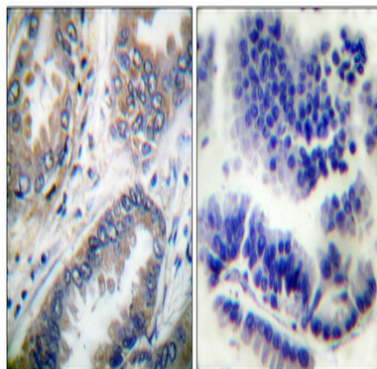


Western Blot analysis of various cells using Caspase-9 Polyclonal Antibody diluted at 1: 500

产品名称: Caspase-9 Rabbit Polyclonal Antibody
产品货号: APRab07989



Western Blot analysis of 3T3 cells using Caspase-9 Polyclonal Antibody diluted at 1: 500



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°,overnight) .
High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from
antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .