

产品名称: ICAD Rabbit Polyclonal Antibody
产品货号: APRab12334



产品概述 (Summary)

产品名称 (Production Name)	ICAD 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,Rat,Mouse

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)	DFFA
别名 (Alternative Names)	DFFA; DFF1; DFF45; H13; DNA fragmentation factor subunit alpha; DNA fragmentation factor 45 kDa subunit; DFF-45; Inhibitor of CAD; ICAD
基因 ID (Gene ID)	1676.0
蛋白 ID (SwissProt ID)	O00273.The antiserum was produced against synthesized peptide derived from human DFFA. AA range:175-224

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	37kDa

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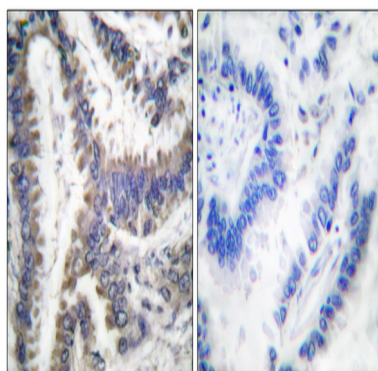
研究背景 (Background)

Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008],function:Inhibitor of the caspase-activated DNase (DFF40).,PTM:Caspase-3 cleaves DFF45 at 2 sites to generate an active factor.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 CIDE-N domain.,subunit:Heterodimer of DFFA and DFFB.,

研究领域 (Research Area)

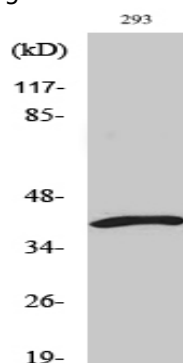
Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using DFF45 (Cleaved-Asp224) Antibody.

The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ICAD Polyclonal Antibody

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注意事项 (Note)

For research use only .