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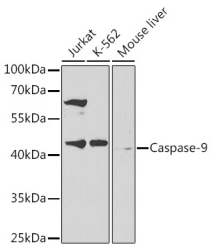
Caspase-9 Polyclonal Antibody

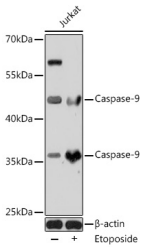
Catalog No.	E-AB-60760	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,IF	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

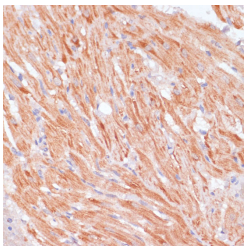
Images



Western blot analysis of extracts of various cell lines using Caspase-9 Polyclonal Antibody at dilution of 1:300.



Western blot analysis of extracts of Jurkat cells using Caspase-9 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat heart using Caspase-9 Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunogen Information

Immunogen	Recombinant protein of human Caspase-9
GeneID	842
Swissprot	P55211
Synonyms	CASP9,APAF-3,APAF3,ICE-LAP6,MCH6,PPP1R56,caspase-9,casp9,Caspase 9

Product Information

Calculated MW	17kDa/30kDa/36kDa/46kDa
Observed MW	36kDa/46kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:100

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.