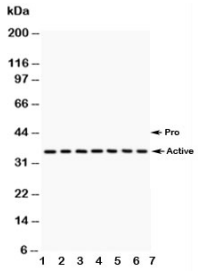
Caspase-9 Antibody (R31745)

Catalog No.	Formulation	Size
R31745	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	842
Applications	Western blot: 0.5-1ug/ml
Limitations	This Caspase-9 antibody is available for research use only.



Western blot testing of Caspase-9 antibody and Lane 1: A549; 2: SMMC-7721; 3: 293T; 4: Jurkat; 5: Raji; 6: CEM; 7: HUT lysate

Description

Caspase-9 is also known as MCH6 or APAF3. The CASP9 gene encodes a member of the cysteine-aspartic acid protease 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 ofCytochrome Cand 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.

Application Notes

Titration of the Caspase-9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 3-228) was used as the immunogen for this Caspase-9 antibody.

Storage

The lyophilized Caspase-9 antibody can be stored at 4oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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