

## Caspase-9 Antibody

Catalog No: #21422



Package Size: #21422-1 50ul #21422-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

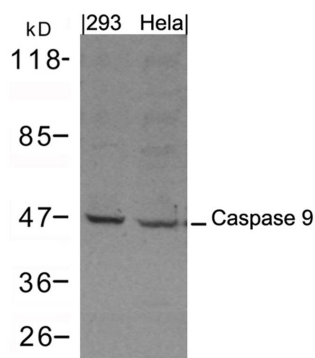
|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Caspase-9 Antibody                                                                                                                                                            |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB                                                                                                                                                                            |
| Species Reactivity    | Human;Mouse;Rat                                                                                                                                                               |
| Specificity           | The antibody detects endogenous level of total Caspase 9 protein.                                                                                                             |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.301~305 (T-S-P-E-D) derived from Caspase 9                                                                                                         |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | Caspase 9                                                                                                                                                                     |
| Other Names           | ICE-like apoptotic protease 6                                                                                                                                                 |
| Accession No.         | Swiss-Prot: P55211 NCBI Protein: NP_001220.2                                                                                                                                  |
| Calculated MW         | 17kDa/30kDa/36kDa/46kDa                                                                                                                                                       |
| SDS-PAGE MW           | 46kDa                                                                                                                                                                         |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

Predicted MW: 47 37 35kd

Western blotting: 1:1000

## Images



Western blot analysis of extracts from 293 and Hela cells using Caspase 9 Antibody #21422.

## Background

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). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.

Zou, H. et al. (1999) J. Biol. Chem. 274, 11549-11556.

Deveraux, Q. L. et al. (1998) EMBO J. 17, 2215-2223.

Li, P. et al. (1997) Cell 91, 479-489.

## Published Papers

el at., Anticancer effects of sodium butyrate on hepatocellular carcinoma cells in vitro. In Int J Mol Med on 2013 Apr by Hong-Gang Wang, Xiao-Dan

Huang, et al..PMID:

23440283, , (2013)

[PMID:23440283](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.