

Datasheet for ABIN2811147

**anti-Caspase 9 antibody (AA 271-314) (AbBy Fluor® 594)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                |
| Target:              | Caspase 9 (CASP9)                                                                                                                                     |
| Binding Specificity: | AA 271-314                                                                                                                                            |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                     |
| Host:                | Rabbit                                                                                                                                                |
| Clonality:           | Polyclonal                                                                                                                                            |
| Conjugate:           | This Caspase 9 antibody is conjugated to AbBy Fluor® 594                                                                                              |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human Caspase-9 subunit p35 |
| Isotype:          | IgG                                                                       |
| Cross-Reactivity: | Human, Mouse, Rat                                                         |
| Purification:     | Purified by Protein A.                                                    |

## Target Details

|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| Target:           | Caspase 9 (CASP9)                                                              |
| Alternative Name: | Caspase-9 ( <a href="#">CASP9 Products</a> )                                   |
| Background:       | Synonyms: MCH6, APAF3, APAF-3, PPP1R56, ICE-LAP6, Caspase-9, CASP-9, Apoptotic |

## Target Details

protease Mch-6, Apoptotic protease-activating factor 3, ICE-like apoptotic protease 6, CASP9

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. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.

|           |                                                                                                                                                                                                                                                                                                                                                             |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 842                                                                                                                                                                                                                                                                                                                                                         |
| UniProt:  | <a href="#">P55211</a>                                                                                                                                                                                                                                                                                                                                      |
| Pathways: | <a href="#">MAPK Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> |

## Application Details

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |