



## Mouse Monoclonal Antibody **Caspase-9** conjugated to Sepharose Beads

CatalogNo: **ANT8173-S**

Size 200ul

Storage Store at 4 °C for frequent use

### Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

### **Caspase-9 (ANT0099R) Rabbit mAb**

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications •

WB, IF, ELISA

#### MW

- 46kD (Calculated)
- 40kD (Observed)

#### Isotype

- IgG, Kappa

## Recommended Dilution Ratios

IP

### Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0099R

### Immunogen Information

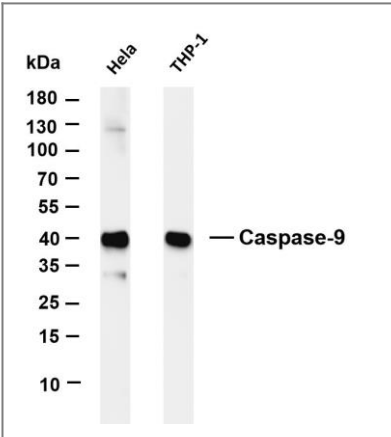
**Specificity** Endogenous

# Target Information

Gene name CASP9  
Protein Name Caspase9

Organism	Gene ID	UniProt ID
Human	<a href="#">842;</a>	<a href="#">P55211;</a>
Rat	<a href="#">58918;</a>	<a href="#">Q9JHK1;</a>
Cellular Localization	Cytoplasm	
Tissue specificity	Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.	
Function	Catalytic activity:Strict requirement for an Asp residue at position P1 and with a marked preference for His at position P2. It has a preferred cleavage sequence of Leu-Gly-His-Asp-[Xaa.],Function: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).,Function:Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.,online information:Caspase-9 entry,ANTM:Cleavages at Asp-315 by granzyme B and at Asp-330 by caspase-3 generate the two active subunits. Caspase-8 and -10 can also be involved in these processing events.,similarity:Belongs to the peptidase C14A family.,similarity:Contains 1 CARD domain.,subunit:Heterotetramer that consists of two antiparallel arranged heterodimers, each one formed by a 35 kDa (p35) and a 10 kDa (p10) subunit. Caspase-9 and APAF1 bind to each other via their respective NH2-terminal CED-3 homologous domains in the presence of cytochrome C and ATP. Interacts with the inhibitors BIRC2, BIRC4, BIRC5 and BIRC7.,tissue specificity:Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues.,	

# Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Caspase-9 (ANT0099R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: THP-1  
Predicted band size: 46kDa Observed band size: 40kDa

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