

**Anti-Caspase 9 (pY153) Antibody**  
**Rabbit polyclonal antibody to Caspase 9 (pY153)**  
**Catalog # AP61072****Specification**

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**Anti-Caspase 9 (pY153) Antibody - Product Information**

Application	<b>WB, IF</b>
Primary Accession	<a href="#">P55211</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>46281</b>

**Anti-Caspase 9 (pY153) Antibody - Additional Information****Gene ID** 842**Other Names**

MCH6; Caspase-9; CASP-9; Apoptotic protease Mch-6; Apoptotic protease-activating factor 3; APAF-3; ICE-like apoptotic protease 6; ICE-LAP6

**Target/Specificity**

Recognizes endogenous levels of Caspase 9 (pY153) protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

IF~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Caspase 9 (pY153) Antibody - Protein Information****Name** CASP9**Synonyms** MCH6**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 effector caspases caspase-3 (CASP3) or caspase-7 (CASP7). Promotes DNA damage- induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Cleaves BIRC6 following inhibition of BIRC6-caspase binding by DIABLO/SMAC (PubMed:&lt;a href="http://www.uniprot.org/citations/36758105" target="\_blank"&gt;36758105&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/36758105" target="\_blank"&gt;36758105&lt;/a&gt;), PubMed:&lt;a href="http://www.uniprot.org/citations/36758105" target="\_blank"&gt;36758105&lt;/a&gt;), PubMed:&lt;a href="http://www.uniprot.org/citations/36758105" target="\_blank"&gt;36758105&lt;/a&gt;)

href="http://www.uniprot.org/citations/36758106" target="\_blank">36758106</a>).

#### Tissue Location

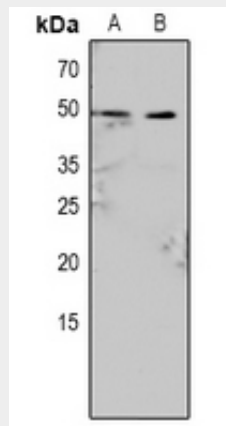
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

#### Anti-Caspase 9 (pY153) Antibody - Protocols

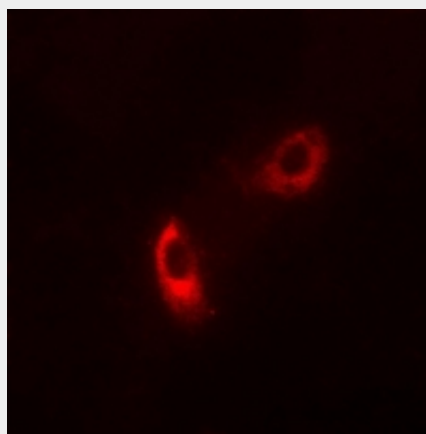
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-Caspase 9 (pY153) Antibody - Images



Western blot analysis of Caspase 9 (pY153) expression in HeLa (A), A549 (B) whole cell lysates.



Immunofluorescent analysis of Caspase 9 (pY153) staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS

and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-Caspase 9 (pY153) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Caspase 9. The exact sequence is proprietary.