

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

Specification

Anti-Caspase 9 (pY153) Antibody - Product Information

Application	WB, IF
Primary Accession	P55211
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46281

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:36758105, PubMed:36758105).

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

Tissue Location

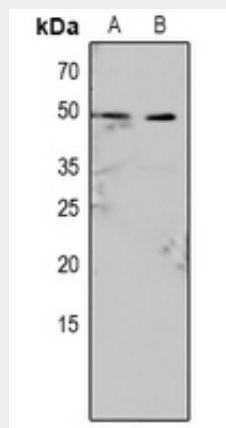
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

Anti-Caspase 9 (pY153) Antibody - Protocols

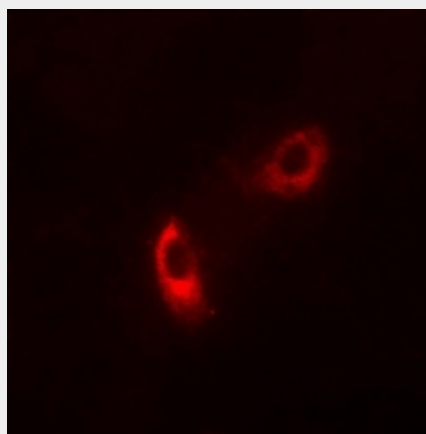
Provided below are standard protocols that you may find useful for product applications.

- [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.