

**Anti-Caspase 9 (pS144) Antibody**  
**Rabbit polyclonal antibody to Caspase 9 (pS144)**  
**Catalog # AP61154**

### Specification

#### Anti-Caspase 9 (pS144) Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P55211</a>
Other Accession	<a href="#">Q8C3Q9</a>
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46281

#### Anti-Caspase 9 (pS144) 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

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Caspase 9 (pS144). The exact sequence is proprietary.

#### Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

IHC~~1:100~500

#### 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 (pS144) 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:<a href="http://www.uniprot.org/citations/36758105" target="\_blank">36758105</a>, PubMed:<a href="http://www.uniprot.org/citations/36758106" target="\_blank">36758106</a>).

#### Tissue Location

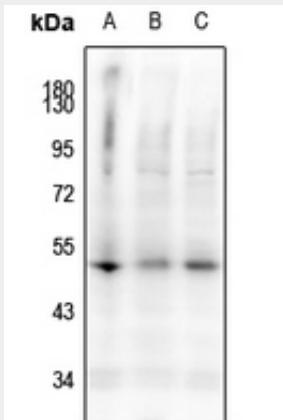
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

#### Anti-Caspase 9 (pS144) Antibody - Protocols

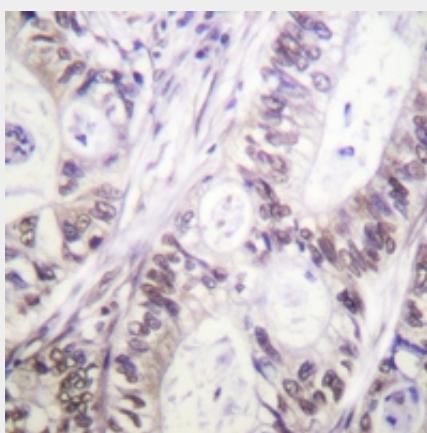
Provided below are standard protocols that you may find useful for product applications.

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

#### Anti-Caspase 9 (pS144) Antibody - Images



Western blot analysis of Caspase 9 (pS144) expression in HEK293T (A), HepG2 (B), A375 (C) whole cell lysates.



Immunohistochemical analysis of Caspase 9 (pS144) staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-Caspase 9 (pS144) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Caspase 9 (pS144). The exact sequence is proprietary.