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# Anti-Caspase 9 (pS144) Antibody

Rabbit polyclonal antibody to Caspase 9 (pS144)
Catalog # AP61154

## Product Information

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|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | P55211 |
| **Other Accession** | Q8C3Q9 |
| **Reactivity** | Human, Mouse, Monkey |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 46281 |

## Additional Information

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|---|---|
| **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 (pS144) protein. |
| **Dilution** | WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) |
| **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 |

## Protein Information

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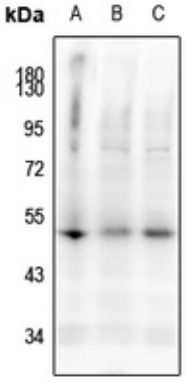
| **Name** | CASP9 |
| **Synonyms** | MCH6 |
| **Function** | Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates effector caspases caspase-3 (CASP3) or caspase-7 (CASP7). 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: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. |

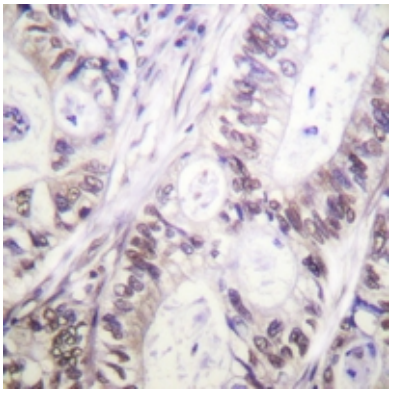
## Background

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

## 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.