10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Caspase 9 Monoclonal Antibody(3-20)

Catalog # AP63331

Specification

Caspase 9 Monoclonal Antibody(3-20) - Product Information

Application	**WB, IHC-P, IF, IP**
Primary Accession	P55211
Reactivity	**Human, Mouse, Rat, Chicken**
Host	**Mouse**
Clonality	**Monoclonal**

Caspase 9 Monoclonal Antibody(3-20) - Additional Information

Gene ID 842

Other Names
CASP9; MCH6; Caspase-9; CASP-9; Apoptotic protease Mch-6; Apoptotic protease-activating factor 3; APAF-3; ICE-like apoptotic protease 6; ICE-LAP6

Dilution
WB~~WB: 1:1000-5000 IP:1:200 IF 1:200 IHC 1:50-300
IHC-P~~N/A
IF~~WB: 1:1000-5000 IP:1:200 IF 1:200 IHC 1:50-300
IP~~N/A

Format
PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions
-20℃

Caspase 9 Monoclonal Antibody(3-20) - 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:36758106).

Tissue Location
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle,

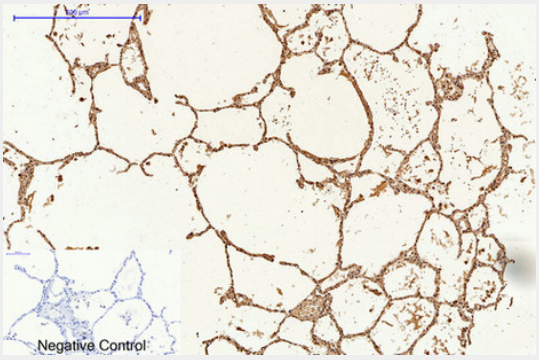
and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

Caspase 9 Monoclonal Antibody(3-20) - Protocols

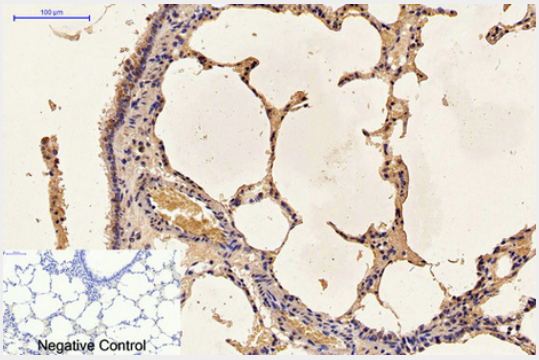
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Caspase 9 Monoclonal Antibody(3-20) - Images



Immunohistochemical analysis of paraffin-embedded Human-lung tissue. 1,Caspase 9 Monoclonal Antibody(3-20) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,Caspase 9 Monoclonal Antibody(3-20) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

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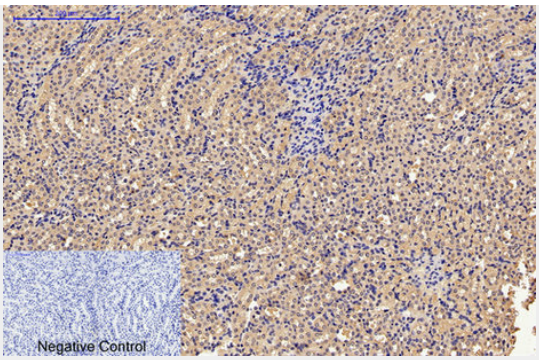
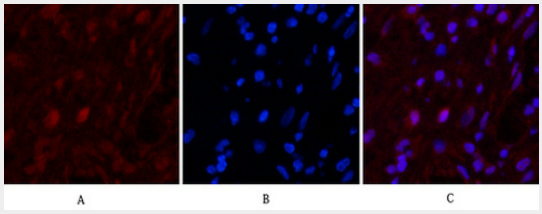
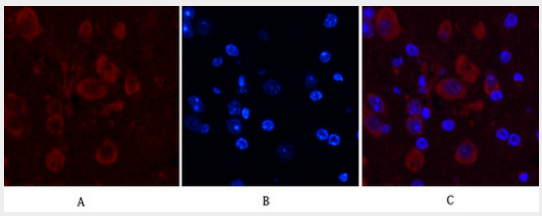


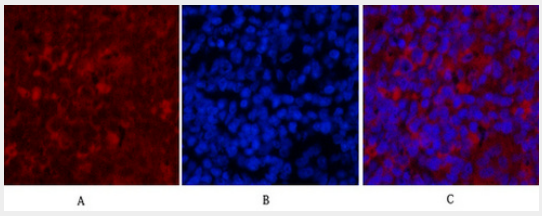
Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1,Caspase 9 Monoclonal Antibody(3-20) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-appendix tissue. 1,Caspase 9 Monoclonal Antibody(3-20)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Mouse-brain tissue. 1,Caspase 9 Monoclonal Antibody(3-20)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Rat-spleen tissue. 1,Caspase 9 Monoclonal Antibody(3-20)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

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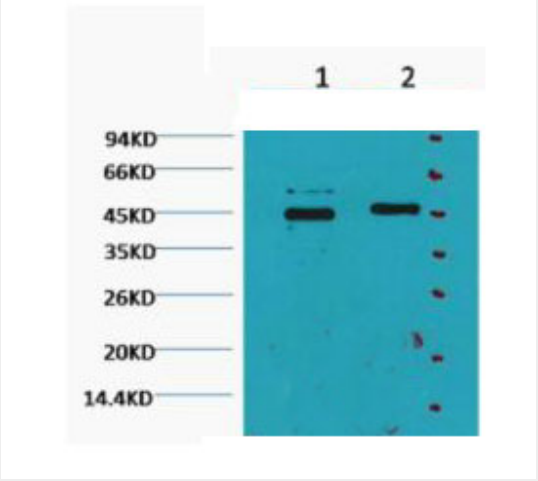
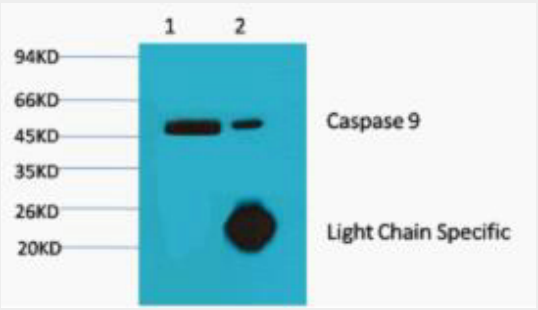
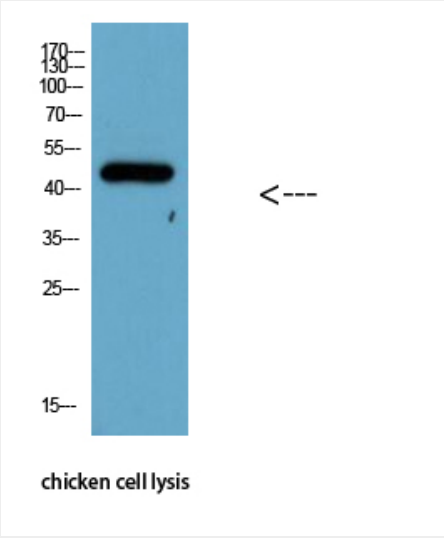


Western blot analysis of Hela, diluted at 1) 1:2000 2) 1:5000



1) Input: Hela Cell Lysate 2) IP product: IP dilute 1:200



Western Blot analysis of chicken cell lysis using Antibody diluted at 1:1000

Caspase 9 Monoclonal Antibody(3-20) - Background

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. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP- ribose) polymerase (PARP).