

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°C

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,

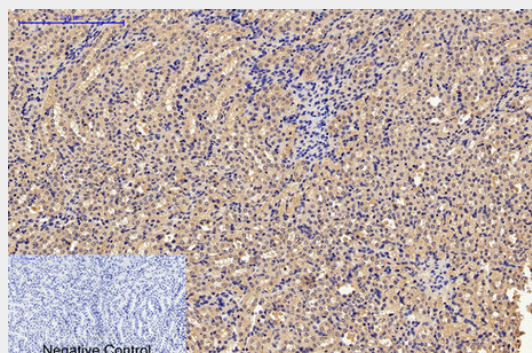
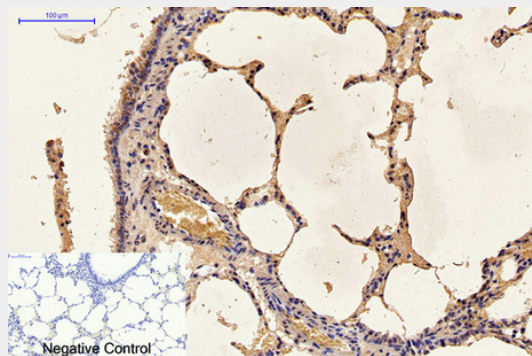
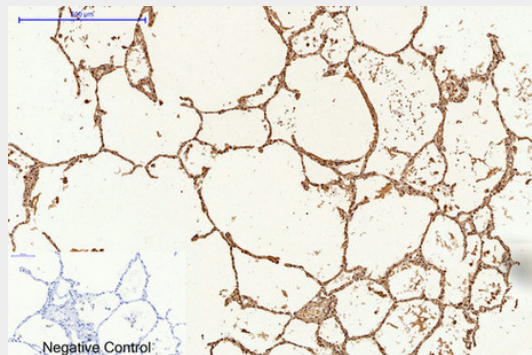
and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

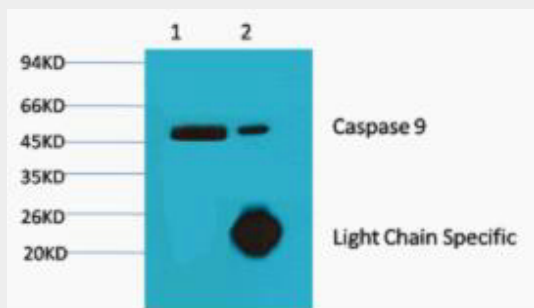
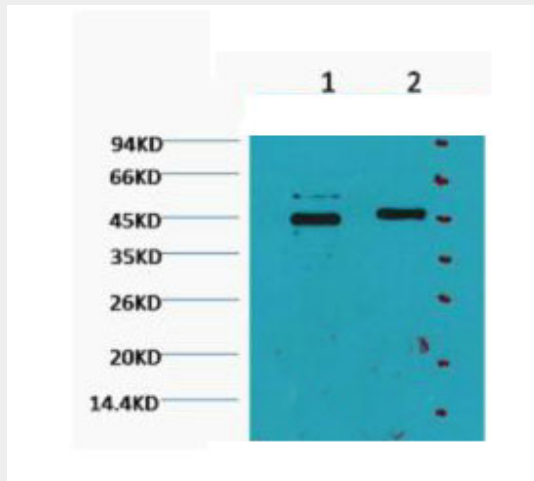
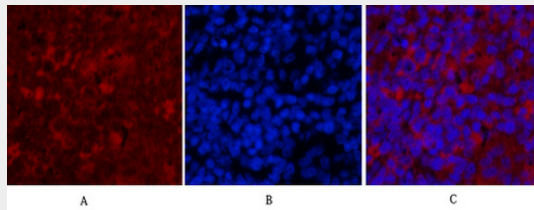
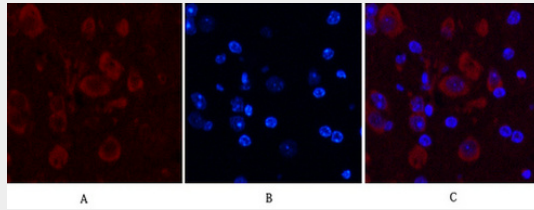
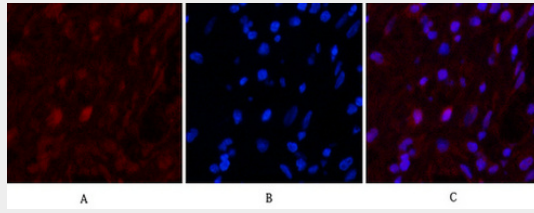
Caspase 9 Monoclonal Antibody(3-20) - Protocols

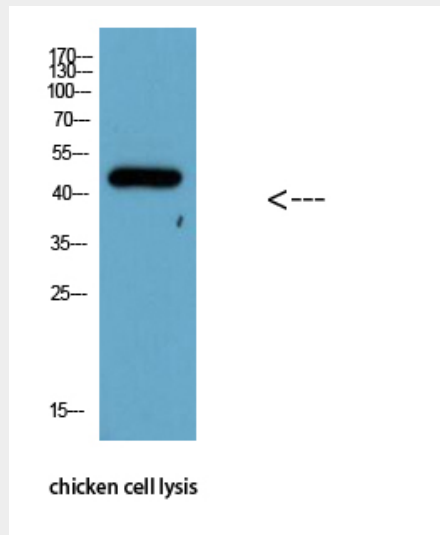
Provided below are standard protocols that you may find useful for product applications.

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

Caspase 9 Monoclonal Antibody(3-20) - Images







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).