A Reliable Research Partner in Life Science and Medicine

# **Recombinant Caspase-7 Monoclonal Antibody**

catalog number: AN301874L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Rat; Mouse

Immunogen Recombinant human Caspase-7 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A586

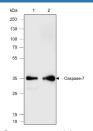
Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

**WB** 1:500-1:1000 **IHC** 1:200-1:1000

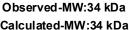
#### Data

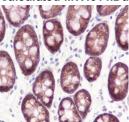


Western Blot with Caspase-7 Monoclonal Antibody at dilution of 1:1000. Lane 1: Mouse spleen, Lane 2: Rat spleen

Immunohistochemistry of paraffin-embedded Mouse colon using Caspase-7 Monoclonal Antibody at dilution of 1:1000.

Rev. V1.1





Immunohistochemistry of paraffin-embedded Rat colon using Caspase-7 Monoclonal Antibody at dilution of 1:1000.

### **Preparation & Storage**

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **Background**

Caspase-7, also named as CMH-1, Mch3 and ICE-LAP3, has been identified as a major contributor to the execution of apoptosis. Caspase-7, like caspase-3, is an effector caspase that is responsible for cleaving downstream substrates such as ADP-ribose polymerase and PARP. During apoptosis, caspase-7 is activated through proteolytic processing by upstream caspases at Asp23, Asp198, and Asp206 to produce the mature subunits. Similar to caspase-2 and -3, caspase-7 preferentially cleaves substrates following the recognition sequence DEVD.

# For Research Use Only

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