Basic Information

Catalog Number: 55238-1-AP

Size: 60 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification

Recommended Dilutions:
- WB: 1:500-1:2000
- IP: 0.5-4.0 ug for IP and 1:500-1:2000 for WB
- IHC: 1:500-1:1000

Applications

Tested Applications: IF, IHC, IP, WB, ELISA
Cited Applications: IF, IHC, WB
Species Specificity: human
Cited Species: hamsters, human

Background Information

Caspase 12 is an enzyme known as a cysteine protease. It belongs to a family of enzymes called caspases that cleave their substrates at C-terminal aspartic acid residues. It is most highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. Caspase-12 is located in the endoplasmic reticulum (ER). It is responsible for ER-stress-induced apoptosis, such as high calcium concentration, low oxygen and low glucose levels.

Notable Publications

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Storage

Store at -20ºC. Stable for one year after shipment.
Storage Buffer:
PBS with 0.05% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage.
HEK-293 cells were subjected to SDS PAGE followed by western blot with 55238-1-AP (CASP12 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

WB result of 55238-1-AP (CASP12 antibody) with various lysates.

Immunohistochemistry of paraffin-embedded human prostate hyperplasia tissue slide using 55238-1-AP (CASP12 Antibody) at dilution of 1:200 (under 10x lens).

Immunohistochemistry of paraffin-embedded human prostate hyperplasia tissue slide using 55238-1-AP (CASP12 Antibody) at dilution of 1:200 (under 40x lens).

Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 55238-1-AP (CASP12 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).