

#T40047

Caspase-2 mAb

- 50 µl
- 100 µl
- 200 µl

DESCRIPTION

Caspase 2 also known as CASP2 is an enzyme that, in humans, is encoded by the CASP2 gene. Caspase 2 proteolytically cleaves other proteins. It belongs to a family of cysteine proteases called caspases that cleave proteins only at an amino acid following an aspartic acid residue. Within this family, caspase 2 is part of the Ich-1 subfamily. It is one of the most conserved caspases in different species of animal. Caspase 2 has a similar amino acid sequence to initiator caspases, including caspase 1, caspase 4, caspase 5, and caspase 9. It is produced as a zymogen, which contains a long pro-domain that is similar to that of caspase 9 and contains a protein interaction domain known as a CARD domain. Pro-caspase-2 contains two subunits, p19 and p12.

SOURCE

This Abmart monoclonal antibody is produced by immunizing animals with a polypeptide (Abmart SEAL mAb technology) corresponding to Caspase-2 protein.

STORAGE

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze/thaw cycle.

ALIASES

CASP-2, Neural precursor cell expressed developmentally down-regulated protein 2, NEDD-2, Protease ICH-1, ICH1, NEDD2

REACTIVITY

Human, Mouse, Rat

ISOTYPE

Rabbit IgG

PREDICTED MOLECULAR WEIGHT

48 kDa

RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:500-1:2000
IHC	1:50-1:200
ICC/IF	1:50-1:200

***For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

Applications Key: WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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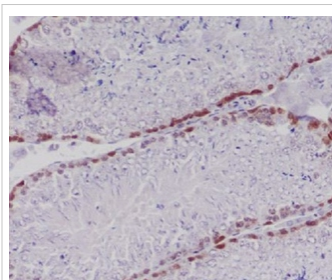
Abmart

Orders ■ 400-6123-828

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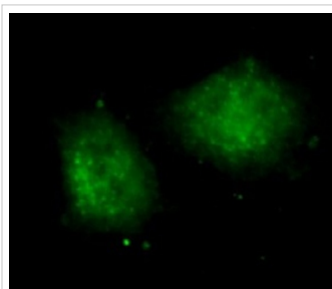
Web ■ www.ab-mart.com.cn

APPLICATION DATA



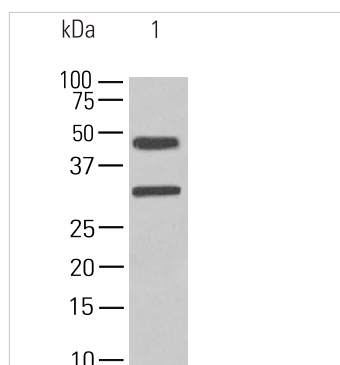
Immunohistochemistry-Anti-Caspase-2 mAb (#T40047)

Immunohistochemical analysis of paraffin-embedded mouse testis, using Caspase-2 mAb.



Immunofluorescence-Anti-Caspase-2 mAb (#T40047)

Immunofluorescent analysis of HeLa cells, using Caspase-2 mAb.



Western blot-Anti-Caspase-2 mAb (#T40047)

All lanes : Caspase-2 mAb

Lane 1 : Jurkat cell lysate

Secondary

Goat Anti-Rabbit IgG-HRP, 5% skim milk conjugated at 1/10000 dilution

Predicted band size : 48 kDa

Observed band size : 48 kDa

Blocking/Dilution buffer : 1× PBS.

For *in vitro* research use only and not intended for use in humans or animals.