Caspase-2 Rabbit mAb

Catalog No: #56079

Package Size: #56079-1 50ul #56079-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Caspase-2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human;Mouse;Rat
Specificity	Caspase-2 Antibody detects endogenous levels of total Caspase-2
Immunogen Description	A synthesized peptide derived from human Caspase-2
Conjugates	Unconjugated
Other Names	Caspase-2; Caspase 2; Caspase2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1; CASP2; ICH1; NEDD2
Accession No.	Uniprot:P42575
Calculated MW	51kDa
SDS-PAGE MW	30,48,51kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

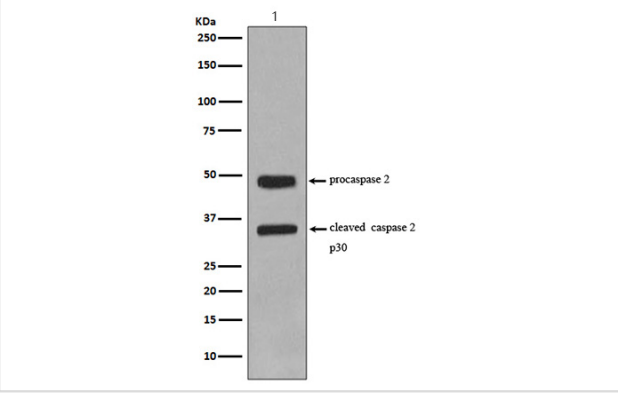
Application Details

WB:1:500~2000

IHC:50~200

ICC/IF:50~200

Images



All lanes: Caspase-2 Rabbit mAb at 1/1k dilution

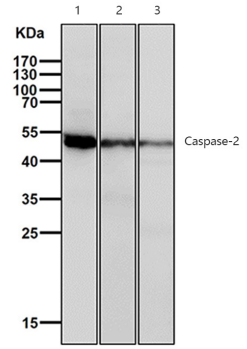
Lane 1 : JK whole cell lysates

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 51 kDa
Observed band size: 30,48,51 kDa

Exposure time: 4 seconds



All lanes: Caspase-2 Rabbit mAb at 1/1k dilution

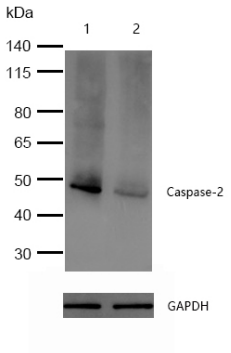
Lane 1 : Mouse heart lysates Lane 2 : Rat heart lysates Lane 3 : Rat kidney lysates

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 51 kDa
Observed band size: 30,48,51 kDa

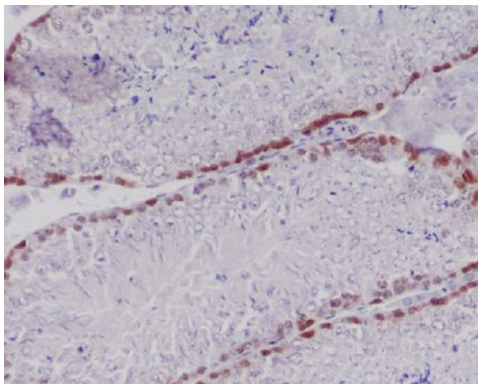
Exposure time: 6 seconds



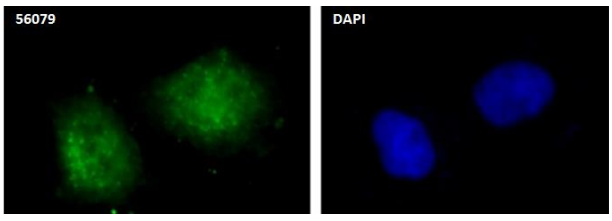
All lanes:Caspase-2 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HCT116 cell lysate
Lane 2 : Caspase-2 knockdown HCT116 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded mouse testis tissue stained for Caspase-2 using 56079 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Caspase-2 antibody (56079) ICC/IF staining of Caspase-2 in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 56079 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Product Description

Caspase-2 (Nedd2, ICH-1) is an aspartate-specific cysteine protease that is activated in response to various apoptotic stimuli. Caspase-2 is unique among the caspases in that it has features of both upstream caspases (long prodomain) and downstream caspases (DEXD substrate specificity). Caspase-2 is highly expressed in the brain during development and is expressed at low levels in adult tissue.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.