

# Caspase-2 Antibody

Rabbit mAb

Catalog # AP90781

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P42575</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Caspase-2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1; Caspase-2 subunit p18; ICH1; NEDD2;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	50685

## Additional Information

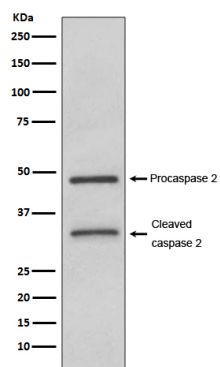
<b>Dilution</b>	WB 1:500~1:1000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Caspase-2
<b>Description</b>	Caspase-2 is a Class I caspase with a long prodomain necessary for nuclear localization. Caspase-2 is the nuclear apoptotic respondent to cellular genotoxic stress or mitotic catastrophe. Activation occurs upon recruitment to a complex containing a p53-induced death domain protein, PIDD.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

<b>Name</b>	CASP2
<b>Synonyms</b>	ICH1, NEDD2
<b>Function</b>	Is a regulator of the cascade of caspases responsible for apoptosis execution (PubMed: <a href="#">11156409</a> , PubMed: <a href="#">15073321</a> , PubMed: <a href="#">8087842</a> ). Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival (PubMed: <a href="#">15073321</a> ). Associates with PIDD1 and CRADD to form the PIDDosome, a complex that activates CASP2 and triggers apoptosis in response to genotoxic stress (PubMed: <a href="#">15073321</a> ).
<b>Tissue Location</b>	Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle

## Images

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Western blot analysis of Caspase-2 expression in HeLa cell lysate.

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