

**Anti-Caspase-2 CASP2 Rabbit Monoclonal Antibody**  
Catalog # ABO13969

**Specification**

**Anti-Caspase-2 CASP2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, FC
Primary Accession	<a href="#">P42575</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Caspase-2 CASP2 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Caspase-2 CASP2 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 835

**Other Names**

Caspase-2, CASP-2, 3.4.22.55, Neural precursor cell expressed developmentally down-regulated protein 2, NEDD-2, Protease ICH-1, Caspase-2 subunit p18, Caspase-2 subunit p13, Caspase-2 subunit p12, CASP2, ICH1, NEDD2

**Calculated MW**

50685 MW KDa

**Application Details**

WB 1:500-2000<br>IHC 1:50-200<br>ICC/IF 1:50-200<br>FC 1:50

**Tissue Specificity**

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.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Caspase-2

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated**

freeze-thaw cycles.

## Anti-Caspase-2 CASP2 Rabbit Monoclonal Antibody - Protein Information

**Name** CASP2

**Synonyms** ICH1, NEDD2

### Function

Is a regulator of the cascade of caspases responsible for apoptosis execution (PubMed:<a href="http://www.uniprot.org/citations/8087842" target="\_blank">8087842</a>, PubMed:<a href="http://www.uniprot.org/citations/11156409" target="\_blank">11156409</a>, PubMed:<a href="http://www.uniprot.org/citations/15073321" target="\_blank">15073321</a>). Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival (PubMed:<a href="http://www.uniprot.org/citations/15073321" target="\_blank">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="http://www.uniprot.org/citations/15073321" target="\_blank">15073321</a>).

### Tissue Location

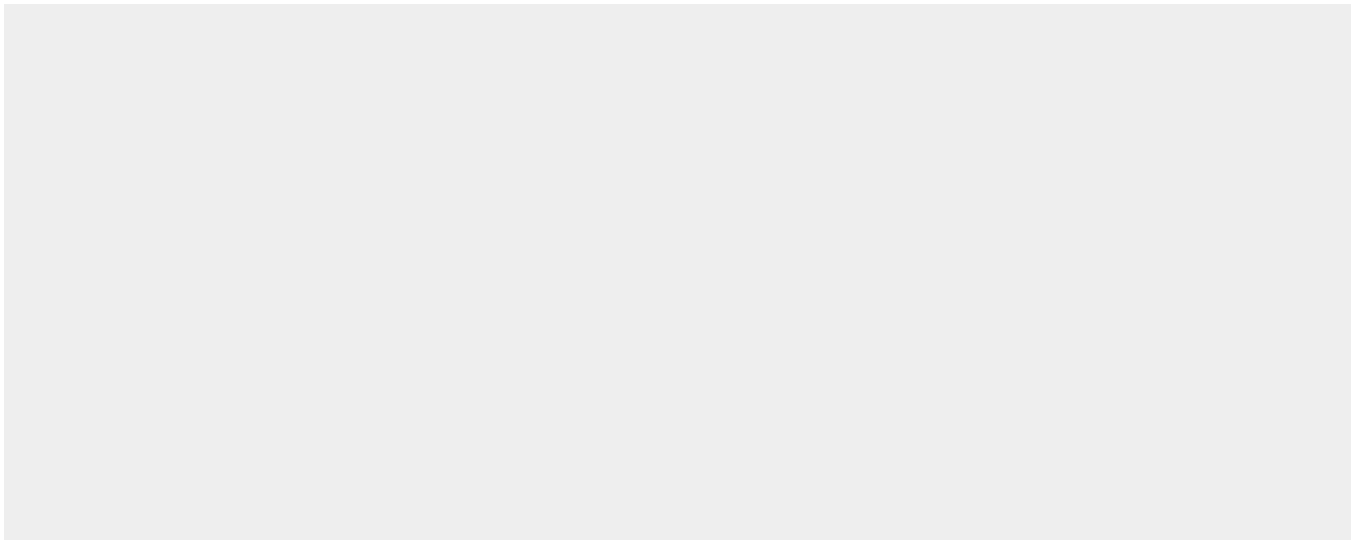
Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle

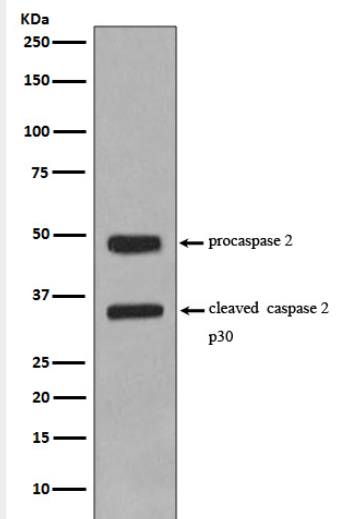
## Anti-Caspase-2 CASP2 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

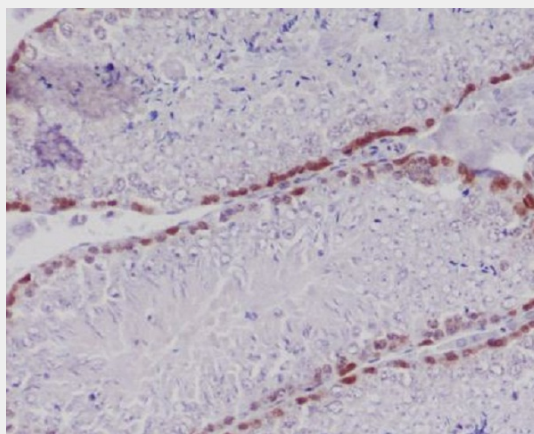
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Caspase-2 CASP2 Rabbit Monoclonal Antibody - Images

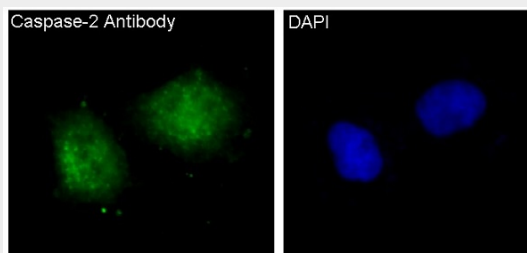




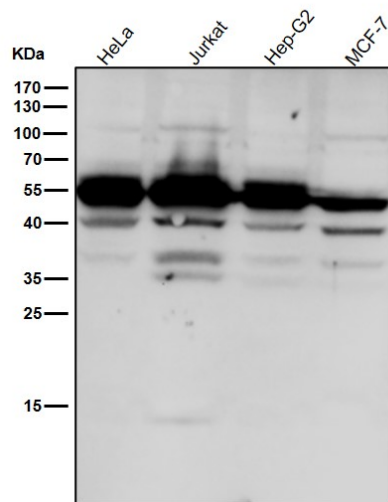
Western blot analysis of Caspase-2 expression in Jurkat cell lysate.



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



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



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.