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**Product Name: Caspase 2 Rabbit Monoclonal Antibody****Catalog #: AMRe83773**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ICC,FC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.39mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:100-1:200,ICC/IF 1:50-1:200,ICC 1:50-1:200,FC 1:20-1:100
<b>Molecular Weight</b>	Calculated MW: 51 kDa ; Observed MW: 48,30,12 kDa

**Antigen Information**

<b>Gene Name</b>	Caspase 2
<b>Alternative Names</b>	Caspase-2; Caspase 2; Caspase2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1; CASP2; ICH1; NEDD2;Caspase 2
<b>Gene ID</b>	
<b>SwissProt ID</b>	P29594
<b>Immunogen</b>	A synthesized peptide derived from human Caspase 2

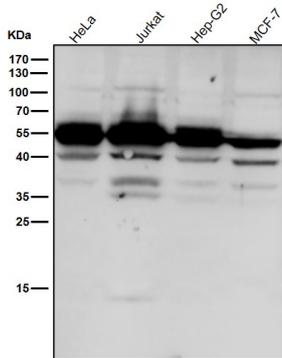
**Background**

Caspase-2 is a Class I caspase with a long prodomain necessary for nuclear localization. Caspase-2 is the nuclear apoptotic

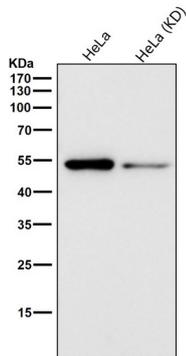
respondent to cellular genotoxic stress or mitotic catastrophe. Activation occurs upon recruitment to a complex containing a p53-induced death domain protein, PIDD.

## Research Area

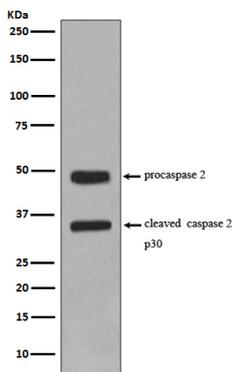
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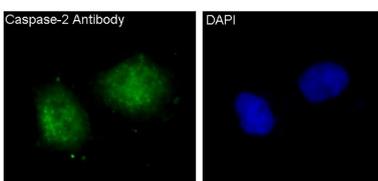
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



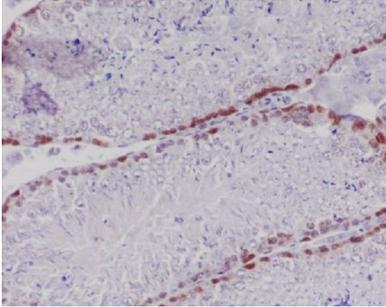
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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



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



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