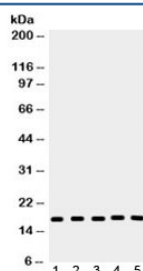


## Caspase-2 Antibody (R32097)

Catalog No.	Formulation	Size
R32097	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P42575
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml
<b>Limitations</b>	This Caspase-2 antibody is available for research use only.



Western blot testing of 1) rat lung, 2) mouse liver, 3) human A549, 4) PANC and 5) 293 lysate with Caspase-2 antibody. Predicted molecular weight: ~47 kDa (full), ~31 kDa (large+small subunit), ~11 kDa (small subunit).

## Description

CASP2 is equal to Caspase-2. And Caspase-2, which is involved in stress-induced apoptosis, is recruited into a large protein complex, the molecular composition of which remains elusive. It is showed that activation of caspase-2 occurs in a complex that contains the death domain-containing protein PIDD, whose expression is induced by p53, and the adaptor protein RAIDD. Increased PIDD expression resulted in spontaneous activation of caspase-2 and sensitization to apoptosis by genotoxic stimuli. Caspase-2 acts both as a positive and negative cell death effector, depending upon cell lineage and stage of development.

## Application Notes

Optimal dilution of the Caspase-2 antibody should be determined by the researcher.

## Immunogen

Amino acids RNTKRGSWYIEALAQVFSEACDMHVADMLVK of human Caspase-2 were used as the immunogen for the Caspase-2 antibody. This sequence is found on the small subunit.

## Storage

After reconstitution, the Caspase-2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.