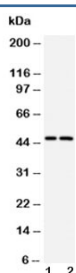


Caspase-2 Antibody (R30278)

Catalog No.	Formulation	Size
R30278	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

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



Western blot testing of Caspase-2 antibody and Lane 1: human CCRF-CEM; 2: human SMMC-7721 cell lysate. Predicted molecular weight: ~47 kDa (full), ~31 kDa (large+small subunit), ~11 kDa (small subunit).

Description

Caspase-2/CASP2, which is involved in stress-induced apoptosis, is recruited into a large protein complex, the molecular composition of which remains elusive. 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. CASP2 acts both as a positive and negative cell death effector, depending upon cell lineage and stage of development.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Caspase-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 417-439 (REGYAPGTEFHRCKEMSEYCSL) were used as the immunogen for this Caspase-2 antibody (100% homologous in human, mouse and rat). This sequence is from 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.