

Product datasheet for **AP23372PU-N**

Caspase 2 (CASP2) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: Use 1 µg/ml with the appropriate system to detect Caspase 2 in cells and tissues. Immunohistochemistry on Paraffin Sections: A previous lot of this antibody has been used at 1-2 µg/ml to detect Caspase 2 in formalin fixed and paraffin embedded tissues.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide mapping at the C-terminal of Human Caspase 2
Specificity:	This antibody detects Caspase-2 (C-term). No cross reactivity with other proteins.
Formulation:	0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ State: Aff - Purified State: Lyophilized purified Ig fraction Stabilizer: 5 mg BSA Preservative: 0.05 mg Thimerosal, 0.05 mg Sodium Azide
Reconstitution Method:	0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	caspase 2
Database Link:	Entrez Gene 12366 Mouse Entrez Gene 64314 Rat Entrez Gene 835 Human P42575



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Background:

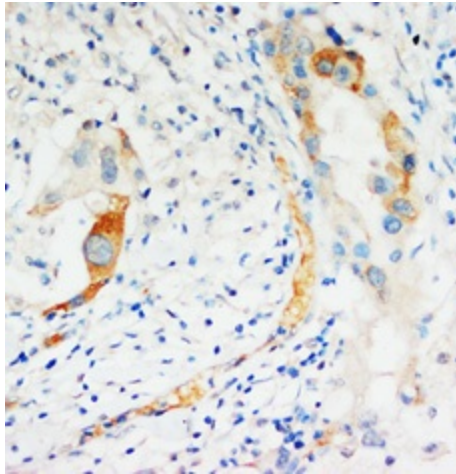
Caspase-2, which is involved in stress-induced apoptosis, is recruited into a large protein complex, the molecular composition of which remains elusive. activation of caspase-2 occurs in a complex that contains the death domain-containing protein PIDD, whose expression is induced by p53, and the adaptor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

Synonyms:

CASP-2, CASP2, ICH1, ICH-1 protease, NEDD2

Protein Families:

Druggable Genome, Protease

Product images:

Caspase 2 Polyclonal Antibody