

Caspase-2 Polyclonal Antibody

CATALOG NO: 3027-30T 30 µg (Trial size)
3027-100 100 µg

AMOUNT: 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 417 of mouse caspase-2 (ID# BV-21)

SPECIES REACTIVITY: Human, Mouse, Rat

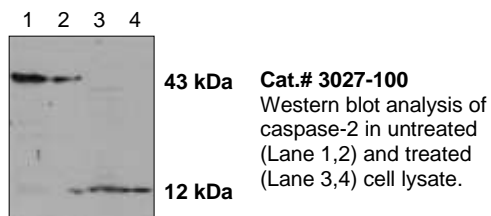
FORMULATION:
0.2 mg/ml affinity purified rabbit anti-caspase-2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:
Store at -20° C. For long-term storage, aliquot and freeze at -70° C. Avoid repeated freeze/defrost cycles.

BACKGROUND:
Caspases play a key role in apoptosis. Similar as other caspases, caspase-2 is also synthesized as an inactive pro-enzyme that is processed in cells undergoing apoptosis. Caspase-2 mRNA is alternatively spliced. The larger mRNA species encoding a product of 435 amino acids is known as ICH-1_L. The smaller mRNA species encoding a protein of 312 amino acids is named ICH-1_S. Over expression of ICH-1_L induces apoptosis, while over expression of ICH-1_S suppresses Rat-1 cell death induced by serum deprivation.

SPECIFICITY:
Detects the full length and small subunit of caspase-2. In human samples, it also detects a 30 kDa intermediate fragment. Mouse small intestine lysate can be used as a positive control. Blocking peptide for the antibody is also available (Cat.# 3027-50BP).

APPLICATION AND USAGE:
The antibody can be used for Western blotting (1-2 µg/ml), and Immunohistochemistry (5 µg/ml). However, the optimal conditions should be determined individually.



RELATED PRODUCTS:

- Caspase-1, human recombinant (Cat. No. 1081-25, -100)
- Caspase-2, human recombinant (Cat. No. 1082-25, -100)
- Caspase-3, human recombinant (Cat. No. 1083-5, -10, -25, -100)
- Caspase-3, mouse recombinant (Cat. No. 1183-25, -100)
- Caspase-3 Proform, mouse recombinant (Cat. No. 1183P-5)
- Caspase-3, rat recombinant (Cat. No. 1283-25, -100)
- Caspase-4, human recombinant (Cat. No. 1084-25, -100)
- Caspase-5, human recombinant (Cat. No. 1085-25, -100)
- Caspase-6, human recombinant (Cat. No. 1086-25, -100)
- Caspase-7, human recombinant (Cat. No. 1087-25, -100)
- Caspase-8, human recombinant (Cat. No. 1088-25, -100)
- Caspase-8, mouse recombinant (Cat. No. 1188-25, -100)
- Caspase-9, human recombinant (Cat. No. 1089-25, -100)
- Caspase-9 Proform, human recombinant (Cat. No. 1089P-50)
- Caspase-10/a, human recombinant (Cat. No. 1090A-25, -100)
- Caspase-10/b, human recombinant (Cat. No. 1090B-25, -100)

FOR RESEARCH USE ONLY! Not to be used on humans.