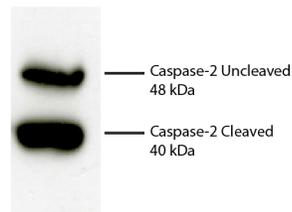




Rat Anti-Human Caspase-2

Cat. No.	Format	Size
17100-01	Purified (UNLB)	0.1 mg



Total cell lysates from Jurkat cells were incubated with Rabbit Anti-Human DR5-UNLB (SB Cat. No. 6600-01), resolved by electrophoresis, transferred to PVDF membrane, and probed with Rat Anti-Human Caspase-2-UNLB (SB Cat. No. 17100-01). Proteins were visualized using Goat Anti-Rat IgM-HRP (SB Cat. No. 3020-05) secondary antibody and chemiluminescent detection.

Overview

Clone	SB123a
Isotype	Rat (Sprague Dawley) IgM κ
Immunogen	Purified native human caspase-2
Specificity	Human caspase-2
Alternate Name(s)	Nedd2, ICH-1, CASP2

Description

The caspases are a family of cysteine proteases that induce apoptosis in response to a variety of intra- and extracellular stimuli. These enzymes are synthesized as inactive precursors which become cleaved at aspartate-specific sites upon induction of apoptosis. Caspase-2 is an initiator caspase that is prevalent in both the cytosol and nucleus in many cell types. During embryonic development it is expressed at relatively high levels in the central nervous system, liver, kidney, and lungs and is prevalent in numerous tissues in adults. Studies have shown that caspase-2 becomes activated in response to several lethal stimuli including DNA damage, ER stress, and death receptor stimulation and further evidence has suggested a role in reactive oxygen species-induced cell death.

The SB123a monoclonal antibody detects bands at ~40 and ~48 kDa corresponding to cleaved and uncleaved forms of caspase-2, respectively.

Applications

WB – Quality tested

Working Dilutions

Immunoblotting	Purified (UNLB) antibody	≤ 5 μ g/mL
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 0.1 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- Reagent is stable for the period shown on the label if stored as directed.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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