

Rabbit polyclonal antibody to Caspase-3 (207-220): Affinity purified

Catalogue No.:	R-1344-100
Description:	THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Caspase-3 is involved in the activation cascade of caspases responsible for apoptosis (Ref: SWISSPROT). Recent observations in microglia have implicated caspase 3 as a modulator of microglial activation in absence of cell death.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (RNSKDGSWFIQSLC) corresponding to a region (207-220 aa) from the C-terminus of human Caspase-3.
Sequence:	RNSKDGSWFIQSLC
Antibody Type:	Antiserum
Other Names:	CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1; CASP3; CPP32;
Accession:	P42574 CASP3_HUMAN;
Produced in:	Rabbit
Applications:	Western Blotting (WB). A concentration of 1.0 ug/mL is recommended for WB. Human Caspase-3 protein (precursor) has a predicted length of 277 amino acids and MW of 32 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Antibody Against:	Caspase-3
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Appearance:	Lyophilized white powder
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase
References:	1. Burguillos M.A. Caspase signalling controls microglia activation and neurotoxicity. Nature. 2011 Apr 21;472(7343):319-24.

FOR RESEARCH USE ONLY