

# Anti-Caspase 3, large subunit & proform

Polyclonal Antibody

Cat. # AB1899

Lot # LV1528433

pack size: 50 µg

Store at -20°C

FOR RESEARCH USE ONLY



## Certificate of Analysis

page 1 of 2

Applications	Species Cross-Reactivity	Antibody Isotype	Epitope/Region	Host Species	Molecular Weight	Accession #
WB	H, M, R	N/A	Large subunit & proform	Rb	Varies	NM_004346.3

### Background

Caspase-3 (CPP32, Apopain) is the most extensively studied apoptotic protein. Caspase-3 is synthesized as an inactive proenzyme (32 kDa) that is processed in cells undergoing apoptosis by self-proteolysis and/or cleavage by another upstream protease. The processed form of caspase-3 consists of large (17 kDa) and small (12 kDa) subunits which associate to form an active enzyme. The active caspase-3 proteolytically cleaves and activates other caspases, as well as relevant targets in the cells such as PARP and DFF.

### Presentation

Purified rabbit polyclonal liquid in PBS, pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal

### Concentration

0.2 mg/mL

### Specificity

AB1899 detects procaspase-3 (32 kDa) and the cleaved p20 fragment in cells undergoing apoptosis.

### Immunogen

Synthetic peptide

### Molecular Weight

45 kDa full length, 32-35 kDa partial intermediate and the cleaved p17/20 kDa fragment in cells undergoing apoptosis

### Method of Purification

Affinity purified immunoglobulin

### Storage and Handling

Stable for 1 year at -20°C from date of receipt. Optimal storage: Aliquot and freeze at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Handling Recommendations: Upon receipt, and prior to removing the cap, centrifuge the vial and gently mix the solution. Aliquot into microcentrifuge tubes and store at -20°C. Note: Variability in freezer temperatures below -20°C may cause glycerol containing solutions to become frozen during storage.

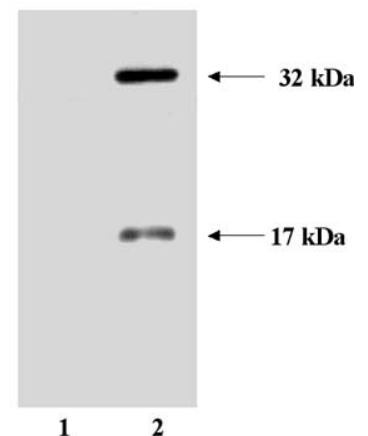
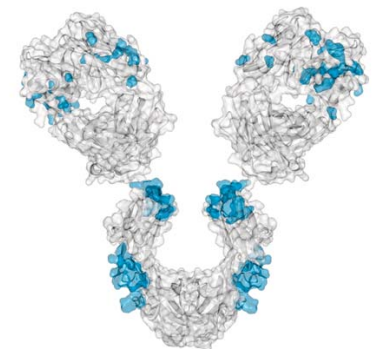
### Control

Skin/Tumor, Embryo

### Research Applications

Western blot: A 1:100-1:200 dilution of a previous lot was used in WB.

Optimal working dilutions must be determined by end user.



Representative lot data. Western blot analysis of recombinant caspase-3 in the presence (Lane 1) and absence (Lane 2) of blocking peptide.

**APPLICATION LEGEND:** WB Western Blotting IP Immunoprecipitation IC Immunocytochemistry IF Immunofluorescence IH Immunohistochemistry (Tissue)

**SPECIES LEGEND:** H Human M Mouse R Rat Rb Rabbit WR Most Common Vertebrates

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**RELATED PRODUCTS (specific)**

cat #	description
06-735	■ Anti-Caspase 3
AB3640	■ Anti-Caspase 3
AB3623	■ Anti-Caspase 3, active (cleaved) form
05-654	■ Anti-Caspase 3, clone 4-1-18
AB1899	■ Anti-Caspase 3, large subunit & proform
MAB4603	■ Anti-Caspase 3, large subunit & proform, clone 3CSP03
MAB4703	■ Anti-Caspase 3, large subunit & proform, clone 4-1-18
04-439	■ Anti-Caspase-3 (Active), Rabbit Monoclonal
04-440	■ Anti-Caspase-3 (Pro), Rabbit Monoclonal
14-264	■ Caspase 3, active
CC119	■ Human Caspase 3, recombinant human active
17-198	■ Caspase 3 Activity Detection Kit
APT131	■ Caspase 3 Colorimetric Activity Assay Kit, DEVD
APT165	■ Caspase 3 Colorimetric Activity Assay Kit, DEVD
17-367	■ Caspase 3/7 Assay Kit (Ac-DEVD-AMC Substrate)
APT403	■ CaspaTag™ Caspase 3,7 In Situ Assay Kit, Fluorescein
APT423	■ CaspaTag™ Caspase 3,7 In Situ Assay Kit, Fluorescein
APT503	■ CaspaTag™ Caspase 3,7 In Situ Assay Kit, Sulforhodamine
APT523	■ CaspaTag™ Caspase 3,7 In Situ Assay Kit, Sulforhodamine
APT300	■ CleavaLite® Caspase 3 Activity Assay Kit
62-245	■ siRNA plasmid, pKD-Caspase 3-v2
62-246	■ siRNA plasmid, pKD-Caspase 3-v3
46-604	■ Active Caspase 3 Beadmates™
12-323	■ Caspase 3 Fluorometric Substrate
AP132P	■ Goat anti-Rabbit IgG, Peroxidase Conjugated

**RELATED PRODUCTS (non-specific)**

cat #	description
IPVH00010	■ Immobilon-P 26.5 cm x 3.75 m Roll PVDF 0.45 µm
IPFL00010	■ Immobilon-FL 26.5 cm x 3.75 m Roll PVDF 0.45 µm
IPVH07850	■ Immobilon-P 7 x 8.4 cm PVDF 0.45 mm (sheet) 50/pk
ISEQ00010	■ Immobilon-P SQ 26.5 cm x 3.75 m 1 roll PVDF 0.2 µm
ISEQ07850	■ Immobilon-P 7 x 8.4 cm PVDF 0.2 mm (sheet) 50/pk
IPFL07810	■ Immobilon-FL 7 x 8.4 cm PVDF 0.45 mm (sheet) 10/pk
WBKLS0100	■ Immobilon Western Chemilum HRP Substrate 100 mL
17-373	■ Spray & Glow™ ECL WB Detection System 1 ea
2060	■ Re-Blot Western Blot Recycling Kit
2500	■ Re-Blot Plus Western Blot Recycling Kit
B2080-175GM	■ Blot Quick Blocker Membrane Blocking Agent 175G

■ antibodies ■ Multiplex products ■ biotools ■ cell culture ■ enzymes ■ kits ■ proteins/peptides ■ siRNA/cDNA products

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