

**RABBIT ANTI-CASPASE 3  
POLYCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	AB3640	<b>QUANTITY:</b>	100 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	1 mg/mL
<b>ALTERNATE NAMES:</b>	CPP32	<b>EPITOPE:</b>	amino acids 104-117
<b>BACKGROUND:</b>	Caspase-3 (CPP32, Apopain) is the most extensively studied apoptotic protein. Caspase-3 is synthesized as an inactive proenzyme (~32-35 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.		
<b>SPECIFICITY:</b>	AB3640 recognizes aa 104-117 of human caspase 3; this region is within the p17 large subunit region. The antibody will detect both pro and large subunit forms of the protein, as well as partial processed intermediates in apoptotically induced cells.		
<b>APPLICATIONS:</b>	<u>Western blot:</u> 1:500 – 1:1000 <i>Optimal working dilutions must be determined by the end user.</i>		
<b>SPECIES REACTIVITY:</b>	Human and mouse. Reactivity with other species has not been confirmed.		
<b>IMMUNOGEN:</b>	Peptide corresponding to amino acids 104-117 of human Caspase 3		
<b>PRESENTATION:</b>	Affinity purified immunoglobulin liquid in PBS, pH 7.6, containing 0.1% sodium azide.		
<b>STORAGE/HANDLING:</b>	Maintain at 2°-8°C for up to twelve months from date of receipt.		

*For research use only; not for use as a diagnostic.*

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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