

CASP9

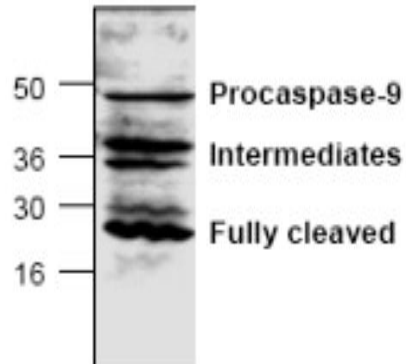
Rabbit Anti-Mouse Caspase 9 Apoptosis-Related Cysteine Peptidase Affinity Purified pAb

Catalog No.	CPC123	Quantity:	100 µg
Alternate Names:	Caspase 9, APAF3, ICE-LAP6, MCH6		
Gene ID:	12371		
Description:	<p>Rabbit Anti-Mouse Caspase 9 Affinity Purified polyclonal antibody. The caspase family of cysteine proteases plays a key role in apoptosis. Caspase 9 is one of the most important caspases among the caspase family members. Upon induction of apoptosis, cytochrome c released from mitochondria associates with procaspase 9/APAF1. The complex processes procaspase 9 into a large subunit (35 kDa or 17-25 kDa) and small (10 kDa) by self-cleavage at D315. Activated caspase 9 further cleaves other caspase members including caspase 3, one of the proteases responsible for the proteolytic cleavage of many key proteins in apoptosis. In addition to self-cleavage, procaspase 9 can also be cleaved <i>in vivo</i> by caspase 3 at D330. The process served as a positive feedback to amplify the apoptotic signal in caspase activation pathway.</p>		
Concentration:	0.2 mg/ml		
Specificity:	Detects 45 kDa Procaspase 9, 35/37 kDa cleaved intermediate fragments and the 17-25 kDa fully cleaved Caspase 9.		
Host:	Rabbit		
Immunogen:	Synthetic peptide surrounding amino acid 290 of mouse Caspase 9		
Formulation:	Liquid in PBS, pH 7.2 + 30% glycerol + 0.5% BSA + 0.01% thimerosal. Precaution: Thimerosal is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Biospecific affinity chromatography		
Cross-Reactivity:	Reacts with human, mouse, and rat.		
Applications:	Western Blot		
Application Notes:	<p>For Western Blot, use a working dilution of 0.5-4 µg/ml. Jurkat cell lysate can be used as a positive control. The optimal concentration should be determined by the user for each specific application.</p>		



Storage & Stability: Store at -20°C or in working aliquots at -80°C for long term storage. **Avoid repeated freeze-thaw cycles.**

Western Blot analysis of Caspase 9 expression in mouse intestine tissue lysate



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.