Affinity-Purified Rabbit Anti-phospho-Caspase 9 (S196) Antibody

Specificity: Mouse phospho-Caspase 9 (S196)		**Size: 0.1 mg**
Source: Rabbit		**IgG Type: rabbit IgG**

Background:
Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Heterodimer of a 35 kDa (p35) and a 10 kDa (p1 subunit. Caspase-9 and APAF1 bind to each other via their respective NH2-terminal CED-3 homologous domains in the presence of cytochrome C and ATP. Interacts with the inhibitors BIRC2, BIRC4, BIRC5 and BIRC7.

Other Name: Caspase-9

Specificity:

Mouse:	Positive

Application : **For western blot analysis, an antibody concentration of 1 µg/ml is recommended**

ELISA	**Positive**
Western blotting	**Positive 1 mg/ml**
Immunohistochemistry	**Positive**
Immunoprecipitation	**Positive**
Flow cytometry	**Positive**

Isotype: Rabbit IgG

Description: **This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding the pho sites.**

Storage: **Upon reconstitution, maintain refrigerated at 2-8℃ for up to 6 months. For long term storage store at -20℃ to -70℃. Lyophilized samples are stable for twelve m the date of receipt when stored at -20℃ to -70℃**

Format: **Purified rabbit monoclonal antibody supplied in PBS with 0.02% (W/V) sodium azide. This antibody is first purified by protein G affinity chromatography. Then, th fraction is peptide affinity purified in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and lo and neutralized immediately, followed by dialysis against PBS.**

Precautions: **This product is for research use only. Not for use in diagnostic or therapeutic procedures.**

References:

1. **Shi Y.; "Mechanism of XIAP-mediated inhibition of caspase-9.";**
   Mol. Cell 11:519-527(2003).
2. **Salvesen G.S.; "Dimer formation drives the activation of the cell death protease caspase 9.";**
   Proc. Natl. Acad. Sci. U.S.A. 98:14250-14255(2001).
3. **Billiar T.R.; "A caspase-9 variant missing the catalytic site is an endogenous inhibitor of apoptosis.";**
   J. Biol. Chem. 274:2072-2076(1999).

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