

## Anti-CASP9 Antibody (9P790)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9P790
Purification:	Affinity-chromatography

### Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: HL-60 whole cell lysate, LO2 whole cell lysate</li><li>-All lanes: CASP9 antibody at 1.8µg/ml</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 47, 31, 18, 37 KDa</li><li>-Observed band size: 47 KDa</li></ul> <p>2. Immunofluorescence staining of HepG2 cells with TMAH-00144 at 1:60, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p> <p>3. Overlay histogram showing K562 cells stained with TMAH-00144 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4°C. Control antibody (green line) was used under the same conditions. Acquisition of &gt;10,000 events was performed.</p>
Application:	ELISA, WB, IF, FCM
Recommended	WB:1:500-1:5000; IF:1:20-1:200.

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	A synthetic peptide: Human CASP9
Antigen Species:	Human
Gene ID:	842
Uniprot ID:	P55211
Synonyms:	APAF-3;EC 3.4.22.62;ICE-LAP6;MCH6;Apoptotic protease Mch-6;CASP-9;ICE-like apoptotic protease 6;Apoptotic protease-activating factor 3;Caspase-9;Caspase9
Biology Area:	Cell Biology

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### Research 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. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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