

Anti-CASP9 Antibody (3L280)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3L280
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Immunofluorescence staining of HepG2 with TMAH-00145 at 1:7, counter-stained with DAPI. The cells were fixed in 4% formaldehyde 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 525-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p> <p>2. Overlay Peak curve showing HepG2 cells stained with TMAH-00145 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.</p>
Application:	ELISA,FCM,IF
Recommended	IF:1:50-1:200; FCM:1:50-1:200.

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:	CASP-9;Apoptotic protease Mch-6;MCH6;ICE-like apoptotic protease 6;Caspase9;APAF-3;EC 3.4.22.62;ICE-LAP6;Apoptotic protease-activating factor 3;Caspase-9
Biology Area:	Cancer, Cell biology, Metabolism

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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