

CoraLite® Plus 488-conjugated Caspase 9/P35/P10 Monoclonal antibody

Catalog Number: **CL488-66169**

Basic Information

Catalog Number: CL488-66169	GenBank Accession Number: BC002452	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 842	CloneNo.: 1B7G2
Source: Mouse	UNIPROT ID: P55211	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: caspase 9, apoptosis-related cysteine peptidase	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG20813	Calculated MW: 46 kDa	
	Observed MW: 46 kDa, 35 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human, mouse	

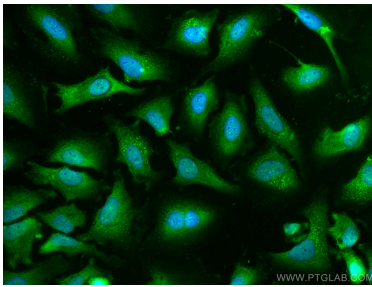
Background Information

Caspase 9, apoptosis-related cysteine protease (CASP9, synonyms: MCH6, APAF3, APAF-3, ICE-LAP6, CASPASE-9c) is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. Caspase 9 is processed by caspase APAF1; this step is thought to be one of the earliest in the caspase activation cascade.

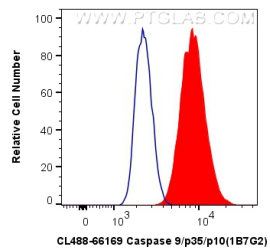
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 Caspase 9/P35/P10 antibody (CL488-66169, Clone: 1B7G2) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human Caspase 9/P35/P10 (CL488-66169, Clone:1B7G2) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).