

For Research Use Only

CoraLite® Plus 488-conjugated Caspase 2/p32/p18 Monoclonal antibody



Catalog Number: **CL488-66517**

Basic Information

Catalog Number: CL488-66517	GenBank Accession Number: BC002427	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 835	CloneNo.: 2G4C2
Source: Mouse	UNIPROT ID: P42575	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: caspase 2, apoptosis-related cysteine peptidase	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG20141	Calculated MW: 452 aa, 51 kDa	
	Observed MW: 48-51 kDa, 32 kDa, 18 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HeLa cells,
Species Specificity: Human	

Background Information

CASP2(Caspase-2) is also named as ICH1, NEDD2 and belongs to the peptidase C14A family. It is involved in the activation cascade of caspases responsible for apoptosis execution and might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival. It has 2 isoforms produced by alternative splicing and can exist almost as a dimer in solution (PMID:15865942). This antibody can recognize the 32 kDa pro-caspase 2 as well as 18 kDa cleaved-caspase 2.

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

For technical support and original validation data for this product please contact:

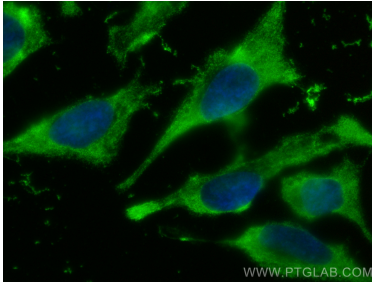
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 Caspase 2/p32/p18 antibody (CL488-66517, Clone: 2G4C2) at dilution of 1:200.