

Caspase 9/P35/P10 Monoclonal antibody

Catalog Number: 66169-1-Ig

118 Publications

Basic Information

Catalog Number:

66169-1-Ig

Concentration:

2700 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG20813

GenBank Accession Number:

BC002452

GeneID (NCBI):

842

UNIPROT ID:

P55211

Full Name:

caspase 9, apoptosis-related cysteine peptidase

Calculated MW:

46 kDa

Observed MW:

46 kDa, 35 kDa

Purification Method:

Protein A purification

CloneNo.:

1B7G2

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:100-1:400

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, ELISA

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig, sheep

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, Jurkat cells

IP: HeLa cells,

IHC: human lymphoma tissue, human pancreas tissue

IF/ICC: HeLa cells,

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. In recent years, the localization of caspase 9 was a focus of interest. Beside its cytoplasmic distribution, a very extensive localization study was done on rat brain tissue, where caspase 9 was found located predominantly in the nucleus and to a lesser extent in the cytoplasm [PMID: 15541731].

Notable Publications

Author	Pubmed ID	Journal	Application
Dan Mo	31568784	Eur J Pharmacol	WB
Na Jiang	32975326	Cell Prolif	WB
Xinbo Wu	32914567	J Cell Mol Med	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

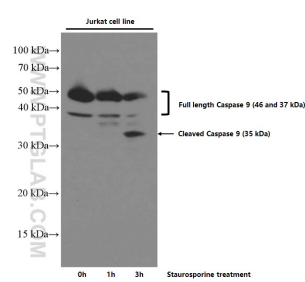
For technical support and original validation data for this product please contact:

T: 4006900926

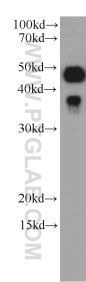
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

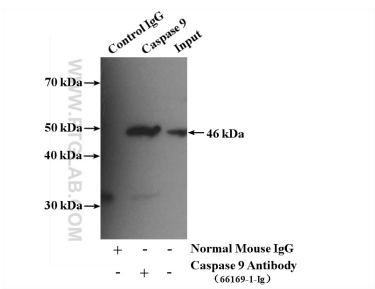
Selected Validation Data



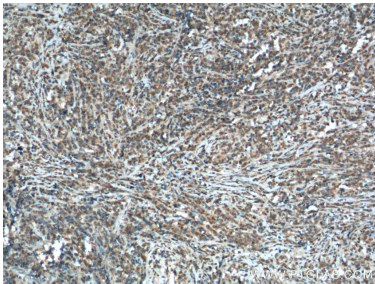
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 66169-1-Ig (Caspase 9/P35/P10 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



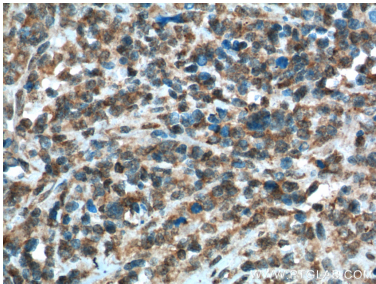
HeLa cells were subjected to SDS PAGE followed by western blot with 66169-1-Ig (Caspase 9/P35/P10 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



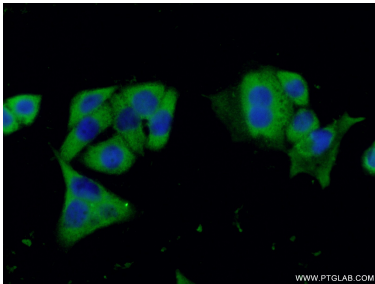
IP result of anti-Caspase 9/P35/P10 (IP:66169-1-Ig, 5ug; Detection:66169-1-Ig 1:500) with HeLa cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66169-1-Ig (Caspase 9/P35/P10 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66169-1-Ig (Caspase 9/P35/P10 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66169-1-Ig(Caspase 9/P35/P10 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).