

For Research Use Only

Caspase 9/p35/p10 Monoclonal antibody, PBS Only



Catalog Number: 66169-1-PBS

Basic Information

Catalog Number:

66169-1-PBS

Size:

1 mg/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

Applications

Tested Applications:

WB,IP,Indirect ELISA,IHC,IF

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. 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].

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

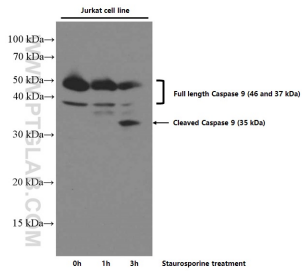
T: 4006900926

E: Proteintech-CN@ptglab.com

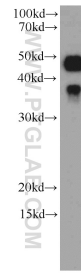
W: ptgcn.com

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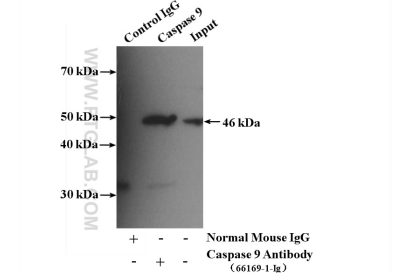
Selected Validation Data



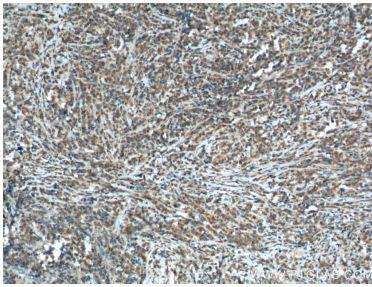
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 66169-1-Ig (Caspase 9/p35/p10 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



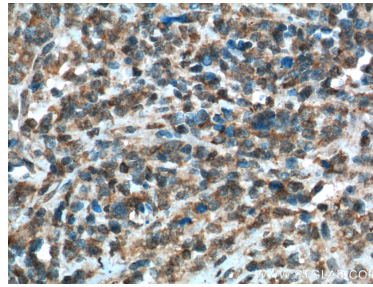
HeLa cells were subjected to SDS PAGE followed by western blot with 66169-1-Ig (Caspase 9/p35/p10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



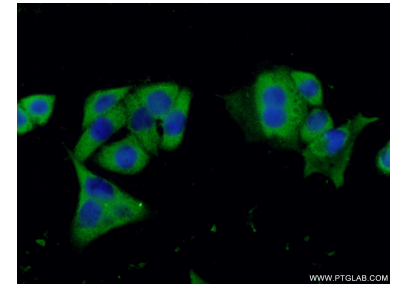
IP result of anti-Caspase 9/p35/p10 (IP:66169-1-Ig, 5ug; Detection:66169-1-Ig 1:500) with HeLa cells lysate 3200ug. This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.