For Research Use Only

Caspase 9/P35/P10 Monoclonal antibody, PBS Only (Capture)

Catalog Number:66169-1-PBS

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Basic Information

Catalog Number:
66169-1-PBS

Concentration:
1000 μg/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, IHC, IF/ICC, IP, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Background Information

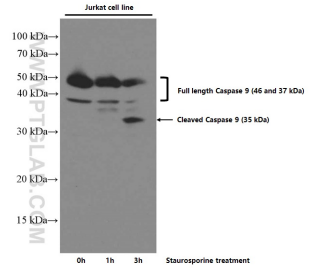
Caspase 9, apoptosis-related cysteine protease (CASP9,synonyms: MCH6, APAF3, APAF-3, ICE-LAP6, CASPASE-9c)is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. Capase 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 caspase9 was a focus of interest. Beside its cytoplasmic distribution, a very extensive localization study was done on rat brain tissue, where caspase9 was found located predominantly in the nucleus and to a lesser extend in the cytoplasm [PMID: 15541731].

Storage

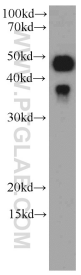
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

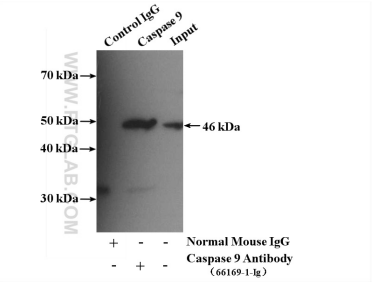
Selected Validation Data



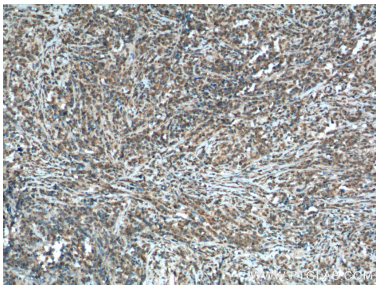
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 66169-1-Ig (Caspase 9/P35/P10 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



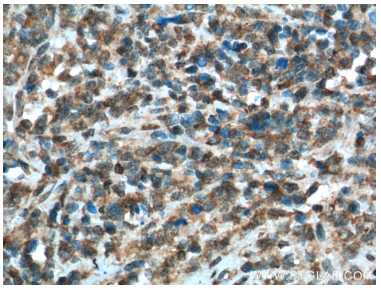
HeLa cells were subjected to SDS PAGE followed by western blot with 66169-1-Ig (Caspase 9/P35/P10 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



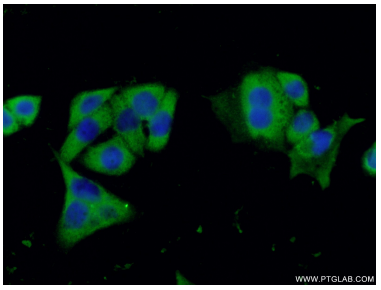
IP result of anti-Caspase 9/P35/P10 (IP:66169-1-Ig, 5ug; Detection:66169-1-Ig 1:500) with HeLa cells lysate 3200ug. This data was developed using the same antibody clone with 66169-1-PBS in a different storage buffer formulation.



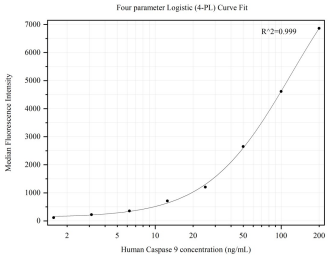
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66169-1-Ig (Caspase 9/P35/P10 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66169-1-PBS in a 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℃ 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.



Cytometric bead array standard curve of MP50283-1, Caspase 9 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66169-1-PBS. Detection antibody: 66169-2-PBS. Standard:Ag20813. Range: 1.563-200 ng/mL.