

Caspase 7/p20 Polyclonal ANTIBODY

Catalog Number: 27155-1-AP

Featured Product

7 Publications

Basic Information

Catalog Number:
27155-1-AP

Size:
60 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AC25904

GenBank Accession Number:
BC015799

GeneID (NCBI):
840

Full Name:
caspase 7, apoptosis-related cysteine
peptidase

Calculated MW:
303aa, 34 kDa

Observed MW:
35 kDa

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IF 1:50-1:500

Applications

Tested Applications:

IF, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : Jurkat cells; HEK-293 cells, LNCaP cells,
MCF-7 cells, mouse liver tissue, PC-3 cells

IP : HEK-293 cells;

IF : MCF-7 cells;

Background Information

Caspase 7 (CASP7), like caspases 3 and 6, contains a short prodomain and, upon apoptotic induction, the 35 kDa proform is converted into a 32 kDa intermediate or preactive form which is further processed into two active subunits consisting of the p20 or large (18 kDa) subunit and the p10 or small (11 kDa) subunit and it is present in the brain, which is up-regulated and activated after traumatic injury (PMD:15953353). Caspase-7 is classified as a member of the subgroup of cysteine proteases most related to the *Caenorhabditis elegans* factor CED-3, which also includes caspase-3, -6, and -9 (PMD:9426061). The protein is involved in the activation cascade of caspases responsible for apoptosis execution.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhen Gong	30415762	Cell Immunol	WB
Yue Gao	27865009	J Pineal Res	WB
Wu Xu	31123407	Oncotargets Ther	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

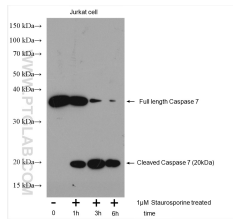
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

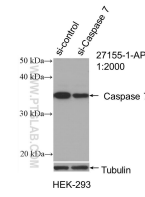
E: proteintech@ptglab.com
W: ptglab.com

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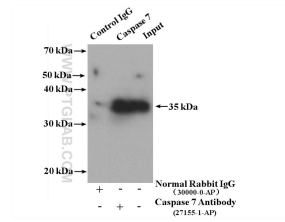
Selected Validation Data



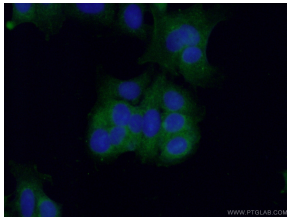
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 27155-1-AP (Caspase 7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours



WB result of Caspase 7 antibody (27155-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-Caspase 7 transfected HEK-293 cells



IP result of anti-Caspase 7 (IP:27155-1-AP; 4ug; Detection:27155-1-AP 1:1000) with HEK-293 cells lysate 2600 ug



Immunofluorescent analysis of (-20) Ethanol fixed MCF-7 cells using 27155-1-AP(Caspase 7 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)