For Research Use Only

Cleaved Caspase 6/P18 Recombinant antibody, PBS Only

Catalog Number:85337-1-PBS

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Basic Information

Catalog Number:
85337-1-PBS

Concentration:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC000305

GeneID (NCBI):
839

UNIPROT ID:
P55212

Full Name:
caspase 6, apoptosis-related cysteine peptidase

Calculated MW:
33 kDa, 22 kDa

Observed MW:
18 kDa

Purification Method:
Protein A purification

CloneNo.:
242384E6

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

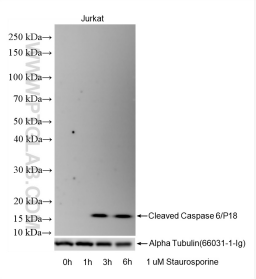
Caspase-6 belongs to caspase family of cysteinyl-aspartate specific proteases.Precursor of CASP6 produces two subunits, large (18kDa) and small (16kDa) that dimerize. It cleaves poly(ADP-ribose) polymerase, as well as lamins and is involved in the activation cascade of caspases responsible for apoptosis execution. Researches showed that CASP6 could be an early instigator of neuronal dysfunction and regulates B cell activation and differentiation into plasma cells by modifying cell cycle entry. IRAK3 is an important target for CASP6. It can reveal five bands of 28, 32, 36, 49, and 64 kDa in human neurons and fetal brain in western blot, the 32 and 28 kDa bands represent procaspase-6 and pro-arm caspase-6. Procaspase-6 is more abundant than pro-arm caspase-6 in adult tissue, whereas pro-arm caspase-6 is more abundant than pro-caspase-6 in fetal brain and cultured neurons. This antibody is specific to Caspase 6 P18.

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, pH7.3

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



Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 85337-1-RR (Cleaved Caspase 6/P18 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85337-1-PBS in a different storage buffer formulation.