Cleaved Caspase 7/P20 Recombinant antibody, PBS Only

Catalog Number:85328-2-PBS

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Basic Information

Catalog Number:
85328-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC015799

GeneID (NCBI):
840

UNIPROT ID:
P55210

Full Name:
caspase 7, apoptosis-related cysteine peptidase

Calculated MW:
303 aa, 34 kDa

Observed MW:
20 kDa

Purification Method:
Protein A purification

CloneNo.:
242407F6

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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(PMID: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(PMID:9426061). The protein is involved in the activation cascade of caspases responsible for apoptosis execution. This antibody recognize the cleaved caspase 7.

Storage

Storage:
Store at -80℃.
Storage Buffer:
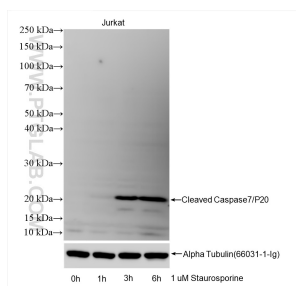PBS only

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 85328-2-RR (Cleaved Caspase 7/P20 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85328-2-PBS in a different storage buffer formulation.