For Research Use Only

Caspase 7/p20/p11 Polyclonal antibody

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Catalog Number:10459-1-AP 3 Publications

Basic Information

Catalog Number:
10459-1-AP

Size:
150ul

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0670

GenBank Accession Number:
BC015799

GeneID (NCBI):
840

Full Name:
caspase 7, apoptosis-related cysteine peptidase

Calculated MW:
303 aa, 34 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
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.

Notable Publications

Author	Pubmed ID	Journal	Application
Juan He	37934902	J Pharm Pharmacol	WB
Xiongfei Zhang	37156642	Phytother Res	WB
Nannan Zhang	36760243	Ann Transl Med	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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