

Cleaved Caspase-7 p20 (Asp198) Rabbit pAb

CatalogNo: YC0033

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 20kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:40000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Caspase 7. AA range:149-198

Specificity Cleaved-Caspase-7 p20 (D198) Polyclonal Antibody detects endogenous levels of fragment of activated Caspase-7 p20 protein resulting from cleavage adjacent to D198.

Target Information

Gene name CASP7

Protein Name Caspase7

Organism	Gene ID	UniProt ID
Human	840 ;	P55210 ;
Mouse	12369 ;	P97864 ;

Cellular Localization Cytoplasm.

Tissue specificity Highly expressed in lung , skeletal muscle , liver , kidney , spleen and heart , and moderately in testis. No expression in the brain.

Function Catalytic activity:Strict requirement for an Asp residue at position P1 and has a preferred cleavage sequence of Asp-Glu-Val-Asp-|- . ,enzyme regulation:Inhibited by isatin sulfonamides. ,Function:Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs) . Proteolytically cleaves poly (ADP-ribose) polymerase (PARP) at a '216-Asp-|- Gly-217' bond. Overexpression promotes programmed cell death. ,PTM:Cleavages by granzyme B or caspase-10 generate the two active subunits. Propeptide domains can also be cleaved efficiently by caspase-3. Active heterodimers between the small subunit of caspase-7 and the large subunit of caspase-3 , and vice versa , also occur. ,similarity:Belongs to the peptidase C14A family. ,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers , each one formed by a 20 kDa (p20) and a 11 kDa (p11) subunit. ,tissue specificity:Highly expressed in lung , skeletal muscle , liver , kidney , spleen and heart , and moderately in testis. No expression in the brain. ,

| Validation Data

| Contact information

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