

## 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	<a href="#">840</a> ;	<a href="#">P55210</a> ;
Mouse	<a href="#">12369</a> ;	<a href="#">P97864</a> ;

**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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**Cleaved Caspase-7 p20 (Asp198) Rabbit pAb**