

Cleaved Caspase-7 (Ser199) Rabbit pAb

CatalogNo: YC0010

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 20kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**IHC 1:100-1:300****ELISA 1:40000****IF 1:50-200**

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.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

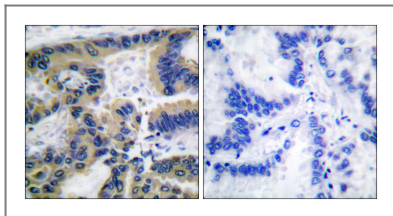
The antiserum was produced against synthesized peptide derived from human Caspase 7. AA range: 180-229

Specificity Cleaved-Caspase-7 (S199) Polyclonal Antibody detects endogenous levels of fragment of activated Caspase-7 protein resulting from cleavage adjacent to S199. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):sGPIND

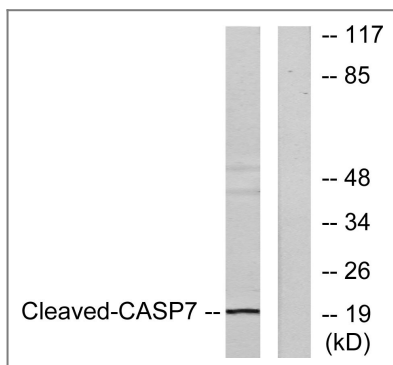
| Target Information

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



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Caspase 7 (Cleaved-Asp198) Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, treated with Etoposide 25uM 60', using Caspase 7 (Cleaved-Asp198) Antibody. The lane on the right is blocked with the synthesized peptide.

Contact information

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Please scan the QR code to access additional product information:
Cleaved Caspase-7 (Ser199) Rabbit pAb

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