

Anti-Caspase-7/ Cleaved Caspase-7 Rabbit pAb

WL02360

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Caspase-7/ Cleaved Caspase-7 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Western blot 1:500-1:1000 Immunohistochemistry 1:200 <i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>
Molecular Wt.	proCaspase-7 : 28-38 kDa Caspase-7 p20 : 20 kDa Caspase-7 p10 : 10 kDa
Pack size	50/100/200/500/1000µl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml
General Information	BSA, 50% glycerol and less than 0.02% sodium azide

Background

This Caspase-7 encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The precursor of the encoded protein is cleaved by caspase 3 and 10, is activated upon cell death stimuli and induces apoptosis.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Caspase-7/ Cleaved Caspase-7.

Purification

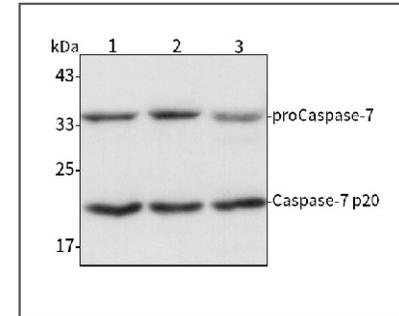
Polyclonal antibody was purified by immunogen affinity chromatography.

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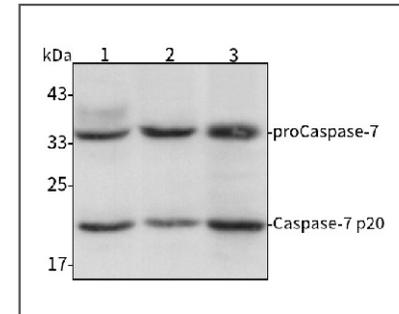
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Product Images



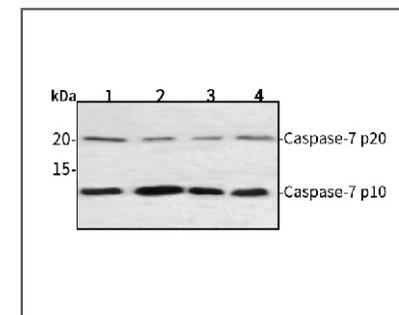
Western blot-Anti-Caspase-7/ Cleaved Caspase-7 pAb

Lane 1: Human CAL-27 cell lysate 30µg
Lane 2: Human A2780 cell lysate 30µg
Lane 3: Human THP-1 cell lysate 30µg
Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Secondary antibody (WLA023a) : 1:5000-1:10000, 45min
Detection: ECL, 30s-2min



Western blot-Anti-Caspase-7/ Cleaved Caspase-7 pAb

Lane 1: Mouse lung tissue lysate 30µg
Lane 2: Mouse liver tissue lysate 30µg
Lane 3: Rat testis tissue lysate 30µg
Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
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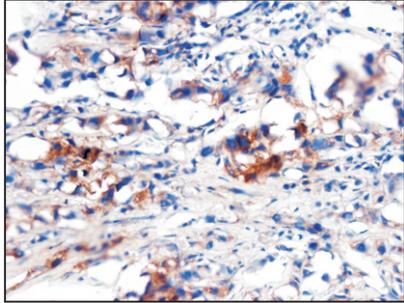
Lane 1: Mouse kidney tissue lysate 30µg
Lane 2: Mouse heart tissue lysate 30µg
Lane 3: Rat liver tissue lysate 30µg
Lane 4: Rat brain tissue lysate 30µg
Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
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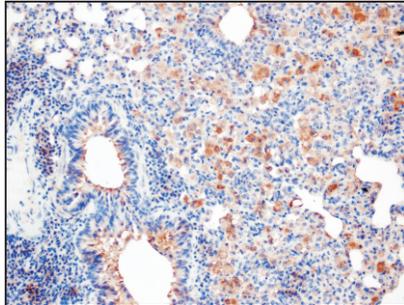
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Immunohistochemistry-Anti-Caspase-7/ Cleaved Caspase-7pAb

Sample: Human breast cancer tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB



Immunohistochemistry-Anti-Caspase-7/ Cleaved Caspase-7pAb

Sample: Mouse lung tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB