

Rabbit anti-Human Caspase-7 Polyclonal Antibody

Anti-Caspase-7 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259107	Rabbit	Human	Immunoprecipitation, Western Blot

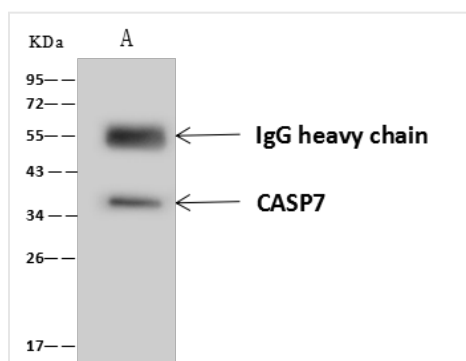
PRODUCT SYNONYMS

Caspase-7; Polyclonal Antibody; Anti-Caspase-7 Antibody; Rabbit Polyclonal; caspase 7; apoptosis-related cysteine peptidase; Anti-CASP-7 Antibody; Anti-CMH-1 Antibody; Anti-ICE-LAP3 Antibody; Anti-LICE2 Antibody; Anti-MCH3 Antibody; anti-Caspase-7 antibody

PRODUCT SPECIFICATIONS

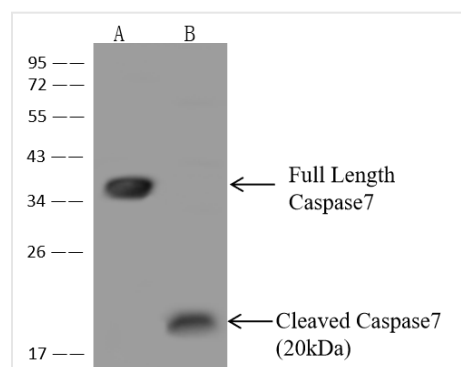
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Caspase-7
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-Caspase-7 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E coli-derived Human Caspase-7 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human Caspase-7 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

CASP7 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate 4 uL anti-CASP7 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CASP7 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa. Observed band size: 38 kDa.



WB (Western Blot)

Anti-CASP7 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: HeLa (1uM Staurosporine treatment for 3h) Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Caspase-7 antibody	Caspase 7, also known as caspase-7 and MCH3, belongs to the cysteine-aspartic acid protease (caspase) family. Caspases play a role in the signal transduction pathways of apoptosis, necrosis and inflammation. There are two major classes of caspases: initiators and effectors. The initiator isoforms (caspases-1,-4,-5,-8,-9,-10,-11,-12) are activated by, and interact with, upstream adaptor molecules through protein-protein interaction domains known as CARD and DED. Effector caspases (-3,-6,-7) are responsible for cleaving downstream substrates and are sometimes referred to as the executioner caspases. Caspase 7 exists in lung, skeletal muscle, liver, kidney, spleen, heart, and moderately in testis. Caspase 7 cannot be detected in the brain. Caspase 7 functions in the activation cascade of caspases responsible for apoptosis execution. It cleaves and activates sterol regulatory element binding proteins (SREBPs). It proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp- -Gly-217' bond. Overexpression promotes programmed cell death.
References	Riedl S J, et al. (2001) Structural basis for the inhibition of caspase-3 by XIAP. Cell. 104(5):791-800.Roy N, et al. (1997) The c-IAP-1 and c-IAP-2 proteins are direct inhibitors of specific caspases. EMBO J. 16(23):6914-25.Deveraux Q L, et al. (1997) X-linked IAP is a direct inhibitor of cell-death proteases. Nature. 388(6639): 300-4.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/caspase-7-antibody-immunoprecipitation-western-blot-elisa/259107>