Rabbit anti-Human Caspase-7 Polyclonal Antibody | anti-CASP7 antibody

Anti-Caspase-7 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257006	**Rabbit**	**Human**	**Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Caspase-7; Polyclonal Antibody; Anti-Caspase-7 Antibody; Rabbit Polyclonal; Caspase-7/CASP7 Antibody; Rabbit PAb; Antigen Affinity Purified; 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-CASP7 antibody

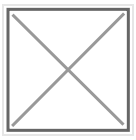
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Caspase-7/CASP7
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CASP7 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human Caspase-7/CASP7 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human Caspase-7/CASP7 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.

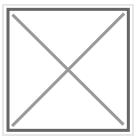
IMAGES

IP (Immunoprecipitation)
CASP7 was immunoprecipitated using:Lane A:0.5 mg Hela Whole Cell Lysate4 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 dilutionSecondary antibody:Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilutionDeveloped using the ECL technique.Performed under reducing conditions.Predicted band size: 38 kDaObserved band size :38 kDa

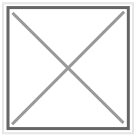
IF (Immunofluorescence)
Immunofluorescence staining of CASP7 in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human CASP7 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.



IHC (Immunohistochemisry)
Immunochemical staining of human CASP7 in human placenta with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohiostchemistry)
Immunochemical staining of human CASP7 in human stomach with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-CASP7 rabbit polyclonal antibody at 1:500 dilutionLane A: Hela Whole Cell LysateLane B: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat 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-CASP7 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.
Product Categories/Family for anti-CASP7 antibody	Death Receptor Signaling
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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/caspase-7-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/257006