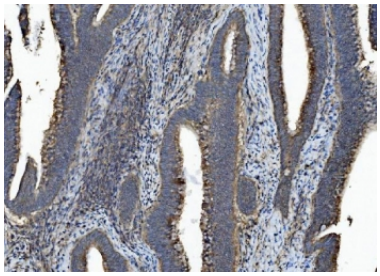
CASP7 Antibody / Caspase-7 (RQ6315)

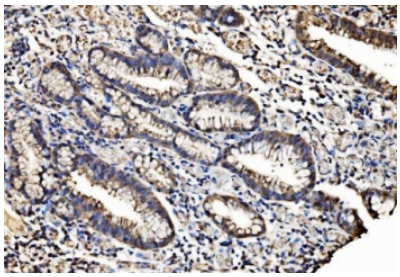
Catalog No.	Formulation	Size
RQ6315	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

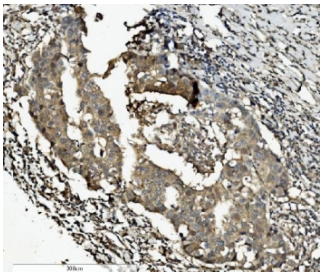
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55210
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This CASP7 antibody is available for research use only.



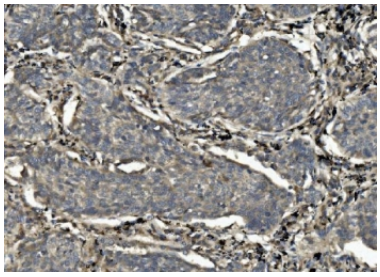
IHC staining of FFPE human rectal cancer with CASP7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



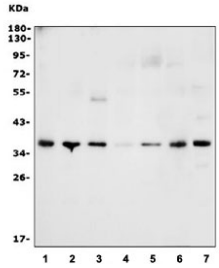
IHC staining of FFPE human gastric cancer with CASP7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



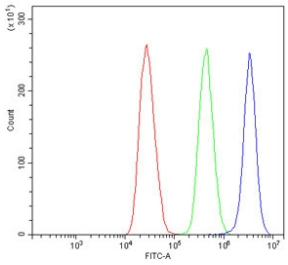
IHC staining of FFPE human breast cancer with CASP7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer with CASP7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Jurkat, 2) HEK293, 3) MCF7, 4) T47D, 5) A549 and 6) rat liver lysate with CASP7 antibody. Expected molecular weight ~34 kDa (full length).



Flow cytometry testing of human MCF7 cells with CASP7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CASP7 antibody.

Description

Caspase-7 is a human protein encoded by the CASP7 gene. CASP7 orthologs have been identified in nearly all mammals for which complete genome data are available. CASP7 is a member of the caspase (cysteine aspartate protease) family of proteins, and has been shown to be an executioner protein of apoptosis. Using radiation hybrid mapping, the CASP7 gene was localized to human chromosome 10q25.1-q25.2. The orderly activation of CASP7 regulates microglia activation through a protein kinase C-delta (PRKCD)-dependent pathway.

Application Notes

Optimal dilution of the CASP7 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A24-Q303) was used as the immunogen for the CASP7 antibody.

Storage

After reconstitution, the CASP7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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