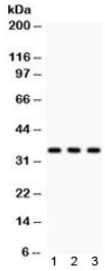
Caspase-7 Antibody (R32146)

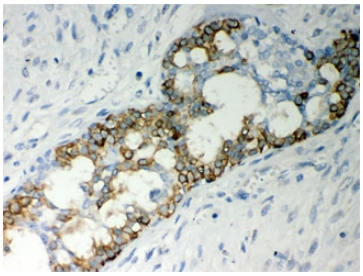
Catalog No.	Formulation	Size
R32146	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trelahose
UniProt	P55210
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This Caspase-7 antibody is available for research use only.



Western blot testing of 1) human A549, 2) rat spleen and 3) rat lung lysate using Caspase-7 antibody. Expected/observed molecular weight ~34 kDa (full length).



IHC testing of FFPE human breast cancer and Caspase-7 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Caspase-7, Apoptosis-related cysteine peptidase, 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. It 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 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 Caspase-7 antibody should be determined by the researcher.

Immunogen

Amino acids 117-198 of human Caspase-7 were used as the immunogen for the Caspase-7 antibody. This sequence is from the large subunit.

Storage

After reconstitution, the Caspase-7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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