Product Data Sheet:
Caspase 7

Cat. No:	AB-80596
Size:	100µg
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 24-303 of human Caspase-7
Reactivity:	Hu,Rt
Applications:	Western Blot: 1:500 – 1:2000 Immunohistochemistry: 1:50 – 1:200 Immunofluorescence: 1:50 – 1:200
Molecular Weight:	37kDa
Purification:	Aff. Pur.
Synonyms:	CASP7;CASP-7;CMH-1;ICE-LAP3;LICE2;MCH3;caspase -7;Casp7
Background:	This gene 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. Alternatively, spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Storage:	Store at -20°C, and avoid repeat freeze-thaw cycles.

Western blot analysis of extracts of various cell lines, using Caspase-7 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Immunofluorescence analysis of HeLa cells using Caspase-7 antibody.

Immunohistochemistry of paraffin embedded rat heart using Caspase-7 antibody at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin embedded human lung cancer using Caspase-7 antibody at dilution of 1:100 (40x lens).

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