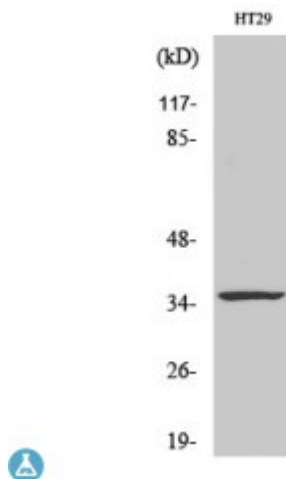


Anti-Caspase-7 antibody



Description	Rabbit polyclonal to Caspase-7.
Model	STJ92024
Host	Rabbit
Reactivity	Human
Applications	ELISA, FC, IHC, WB
Immunogen	Synthesized peptide derived from human Caspase-7.
Immunogen Region	N-terminal
Gene ID	840
Gene Symbol	CASP7
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ICC 1:200-1:1000ELISA 1:5000
Specificity	Caspase-7 Polyclonal Antibody detects endogenous levels of Caspase-7 protein.
Tissue Specificity	Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Caspase-7 CASP-7 Apoptotic protease Mch-3 CMH-1 ICE-like apoptotic protease 3 ICE-LAP3 Caspase-7 subunit p20 Caspase-7 subunit p11
Molecular Weight	35 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1508OMIM:601761
Alternative Names	Caspase-7 CASP-7 Apoptotic protease Mch-3 CMH-1 ICE-like apoptotic protease 3 ICE-LAP3 Caspase-7 subunit p20 Caspase-7 subunit p11
Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp- -Gly-217' bond. Overexpression promotes programmed cell death.
Cellular Localization	Cytoplasm.
Post-translational Modifications	Cleavages by granzyme B or caspase-10 generate the two active subunits. Propeptide domains can also be cleaved efficiently by caspase-3. Active heterodimers between the small subunit of caspase-7 and the large subunit of caspase-3, and vice versa, also occur.