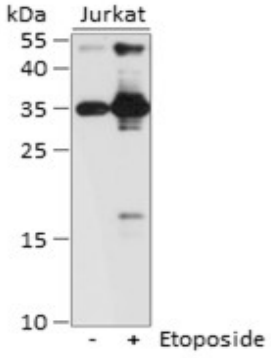
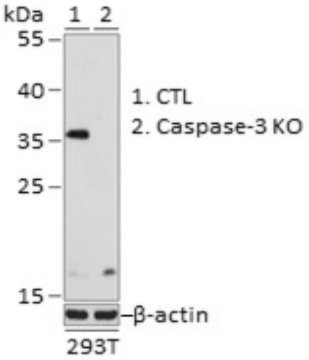
Product Name:	Caspase-3 Rabbit pAb [KO Validated]
Catalog #:	Z1632-20; Z1632-100
Also Known As:	CASP3; CPP32; CPP32B; SCA-1; Caspase 3; Caspase-3
Quantity:	20 µl for Z1632-20; 100 µl for Z1632-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse, Rat
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 55-160 of human Caspase-3 (NP_004337.2)
Swiss Prot. #:	P42574
Calculated MW:	31 kDa
Detected MW:	17 kDa/35 kDa
Applications:	WB (1:500 - 1:2,000) IHC (1:50 - 1:200) IP (not tested) IF (not tested) Note: Antibody dilution should be optimized by users.

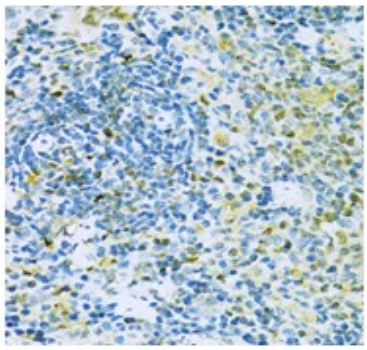
Images:



Immunoblotting 25 µg whole cell extracts of Jurkat cell lines using Caspase-3 antibody (Z1632) at 1:1,000 dilution.



Immunoblotting 25 µg whole cell extracts of normal (CTL) and Caspase-3 knockout (KO) 293T cells using Caspase-3 antibody (Z1632) at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat spleen using Caspase-3 antibody (Z1632) at 1:100 dilution.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	Caspase-3 is a critical executioner of apoptosis, as it is either partially or totally responsible for the proteolytic cleavage of many key proteins, such as the nuclear enzyme poly (ADP-ribose) polymerase (PARP). Activation of caspase-3 requires proteolytic processing of its inactive zymogen into activated p17 and p12 fragments.
Reference:	1. Fernandes - Alnemri T, et al. (1994) J Biol Chem 269, 30761 - 30764. 2. Nicholson DW, et al. (1995) Nature 376, 37 - 43.