

Anti-Caspase-3 Rabbit pAb

GB115600 -20°C

Product Information	
Protein full name	Caspase-3
Synonyms	Casp3, CASP3, CPP32, CPP32B, SCA-1, Caspase 3
Immunogen	Recombinant protein corresponding to Human Caspase-3
Uniprot ID	P42574
Isotype	IgG
Purity	Affinity purification
Subcellular location	Cytoplasm
Predicted MW. / Observed MW.	32 kDa / 17/35 kDa

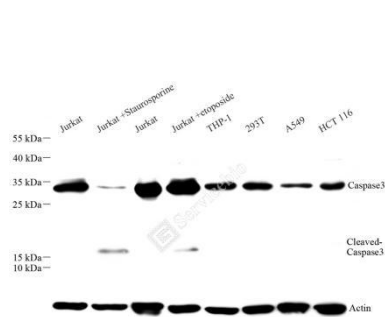
Applications			
WB	Human	1: 500-1: 1000	Jurkat, THP-1, 293T
IHC/IF	Human	1: 700-1: 2100	tonsil, colon, T-cell lymphoma

Storage	
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.02% sodium azide, 100 µg/mL BSA and 50% glycerol.

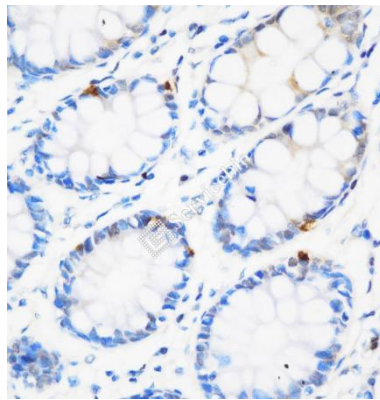
Background

Involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-I-Gly-217' bond. Cleaves and activates sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6, -7 and -9. Triggers cell adhesion in sympathetic neurons through RET cleavage (By similarity). Cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes.

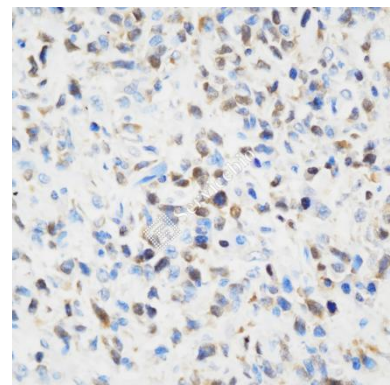
Images



Western blot analysis of Caspase-3 (GB115600) at dilution of 1: 1000



Immunohistochemistry analysis of paraffin embedded human colon using Caspase-3 (GB115600) at dilution of 1: 700



Immunohistochemistry analysis of paraffin embedded human T-cell lymphoma using Caspase-3 (GB115600) at dilution of 1: 700

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