

35-1674: Polyclonal Antibody to Caspase 3

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	CASP3
Gene ID :	836
Uniprot ID :	P42574
Format :	Purified
Alternative Name :	Apopain
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.29~33 (S-G-I-S-L) derived from Caspase 3.

Description

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-|-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. Involved in the cleavage of huntingtin. Gervais, F. G et al. Cell 97: 395-406, 1999. Nicholson, D. W. et al. (1995) Nature 376, 37-43.

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 35 17kd, Western blotting: 1:1000

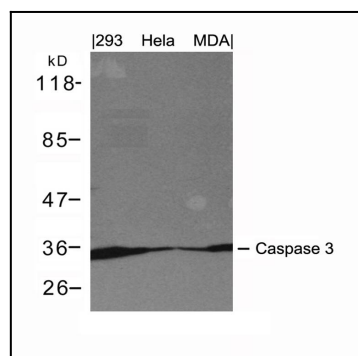


Figure 1: Western blot analysis of extracts from 293, HeLa and MDA cells using Caspase 3 Antibody 35-1674 .