

Product Information

Contents: anti-Caspase-3 (active, pro-Caspase-3)

Catalog Number: 60-6663

Sizes: 50 ug, 100 ug

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃

Storage Conditions: This product is supplied as Protein G purified IgG fraction in PBS containing 0.02% sodium azide. Store at 4°C, stable for 6 months. For long-term storage, store at -20°C.

Clone: 31A1067

Isotype: Mouse IgG1

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
60-6663	anti-Caspase 3 (active, procaspase-3)	N/A	N/A	WB

Description

The 31A1067 antibody reacts with active and pre-caspase 3. The gene for caspase-3, also known as Yama, CPP32, and apopain, codes for a 32 kDa protein. Caspase-3 is activated by cleavage events at Asp-28/Ser-29 (between N-terminal pro-domain) and Asp-175/Ser-176 (between large and small subunits) to generate a large subunit of 17 kDa and a small subunit of 12 kDa. The 31A1067I antibody was generated against recombinant protein of full-length human caspase-3. The antibody was selected with staurosporine-induced apoptotic HeLa cell lysate.

Usage

For research use only, not for diagnostic or therapeutic use. The 31A1067 antibody has been reported for use in immunoblotting (WB).

Applications Tested

The 31A1067 antibody is useful for detecting pro-Caspase-3 and Caspase-3 activation in cells by Western blot analysis at a recommended dilution of 2 µg/ml. It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control

References

- Fernandes-Almnmri T, et al. J Biol Chem 269: 30761-764 (1994).
Tewari M, et al. Cell 81: 801-809 (1995).
Shi L, et al. Proc Natl Acad Sci USA 93: 11002-007 (1996).
Villa P, et al. TIBS 22: 389-392 (1997).