

Anti-Caspase 3 Recombinant Rabbit Monoclonal Antibody



Catalog #: 4110

Aliases

CASP3; Caspase 3; CPP32; Apopain; CPP32B; Caspase 3, Apoptosis-Related Cysteine Peptidase; Caspase 3, Apoptosis-Related Cysteine Protease; SREBP Cleavage Activity 1; Cysteine Protease CPP32; Protein Yama 3; EC 3.4.22.56; Caspase-3; CASP-3; CPP-32; SCA-1; PARP Cleavage Protease; Procaspase3; EC 3.4.22; APOPAIN; Yama; YAMA

Background

Gene Name: CASP3

NCBI Gene Entry: [836](#)

UniProt Entry: [P42574](#)

Application Information

Molecular Weight: Predicted, 32 kDa; observed, 32 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB9640

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human caspase 3

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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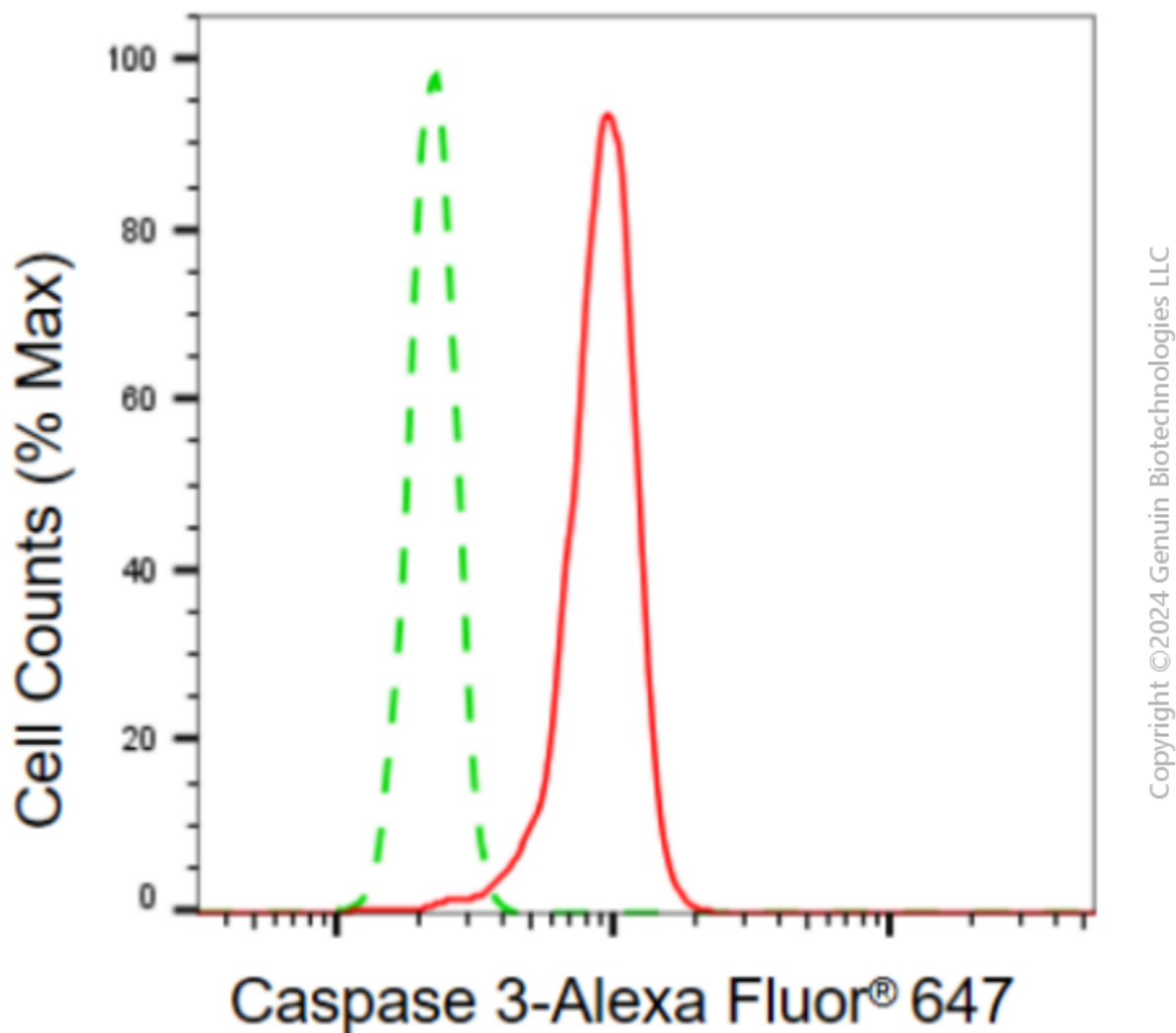
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Note: This product is for research use only.

Validation Data



Flow cytometric analysis of caspase 3 expression in HT-1080 cells using anti-caspase 3 antibody (Cat#4110, 1:2,000). Green, isotype control; red, caspase 3.

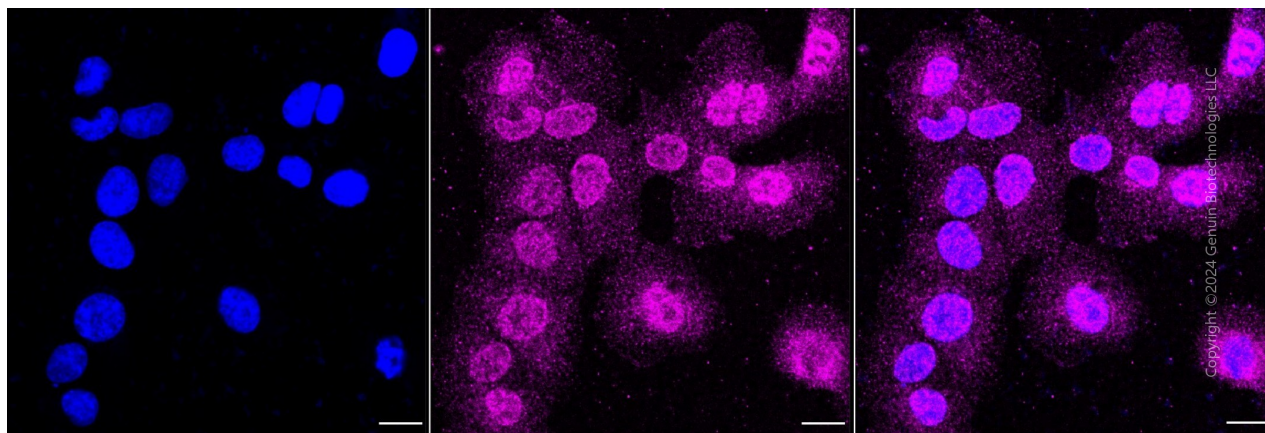
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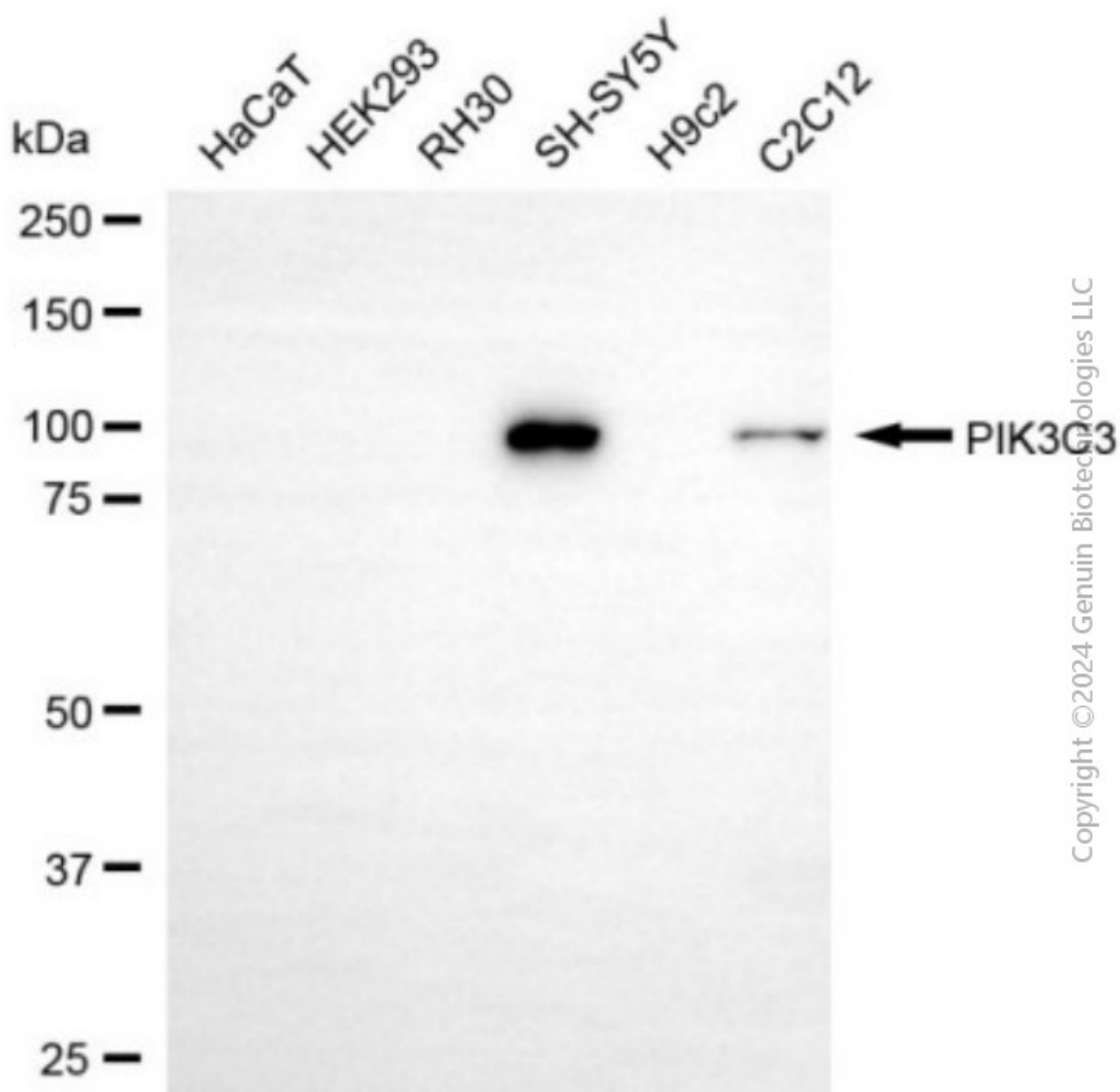
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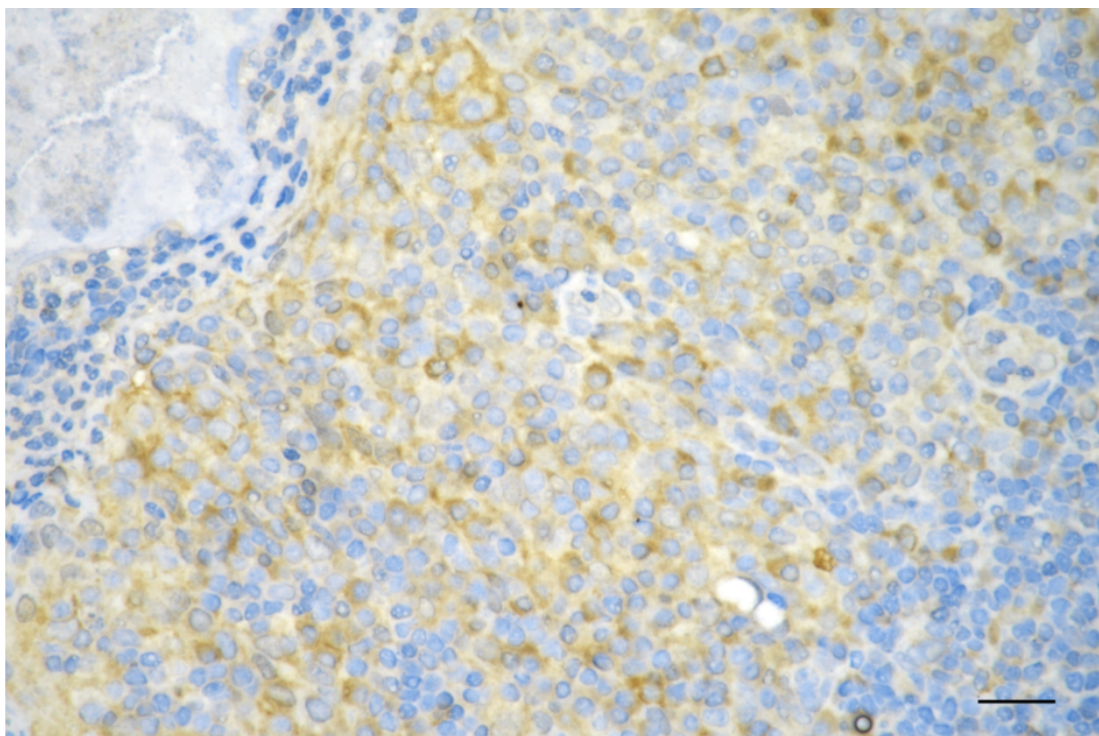
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Immunocytochemical staining of HT-1080 cells with anti-Caspase 3 antibody (Cat#4110, 1:1,000). Nuclei were stained blue with DAPI; Caspase 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-caspase 3 antibody (Cat#4110). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-caspase 3 antibody (Cat#4110, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Immunohistochemistry was performed on paraffin-embedded human tonsillitis using anti-caspase 3 antibody (Cat#4110, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.