

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Distinguishes apoptotic cells from non-apoptotic cells in immunohistochemistry. Detects the p17 subunit of Caspase-3, but does not detect the precursor form in Western blot. We recommend R&D Systems Affinity Purified Anti-Caspase-3 (Catalog # AF-605-NA) or Monoclonal Anti-Cleaved-Caspase-3 (Catalog # MAB835) for Western blot applications.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	KLH-coupled human Caspase-3 synthetic peptide CRGTELDGCIETD Accession # P42574
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

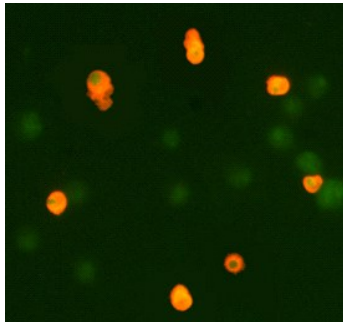
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Immunocytochemistry	5-15 µg/mL	See Below

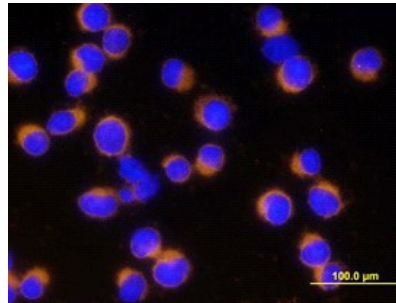
DATA

Immunocytochemistry



Caspase-3 in Jurkat Human Cell Line. Caspase-3 was detected in immersion fixed anti-FAS treated Jurkat human acute T cell leukemia cell line using 0.3 µg/mL Human/Mouse Active Caspase-3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF835) for 3 hours at room temperature. Cells were stained (red) and counterstained (green). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

Immunocytochemistry



Caspase-3 in Jurkat Human Cell Line. Caspase-3 was detected in immersion fixed Jurkat human acute T cell leukemia cell line stimulated with staurosporin using Human/Mouse Active Caspase-3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF835) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (yellow; Catalog # NL004) and counterstained with DAPI (blue). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.