

Human Caspase-10 (FLICE 2) Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG Catalog Number: AF834

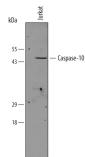
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human and mouse Caspase-10 (FLICE 2) precursor in Western blots. Sensitivity for detection of the small subunit is not known.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	KLH-coupled human Caspase-10 (FLICE 2) synthetic peptide KRTVWGAKQISATSLPTAC
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 either lyophilized or as a 0.2 µm filtered solution in PBS.

<u>APPL</u>ICATIONS

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
Western Blot	1 μg/mL	See Below

Western Blot



Detection of Human Caspase-10 (FLICE 2), by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line. PVDF membrane was probed with 1 µg/mL of Rabbit Anti-Human Caspase-10 (FLICE 2) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF834) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Caspase-10 (FLICE 2), at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 4.

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.

- 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.

Caspase-10 (Cysteine-aspartic acid protease 10, FLICE 2 and Mch4) is a member of the peptidase C14A family of enzymes. It is widely expressed, being found in blood and epithelial cells. Caspase-10 appears to be an initiator caspase that acts on Pro-Caspases-3, -4, -6, -7, and -9. Human Pro-Caspases-10a is a 59 kDa, 521 amino acid (aa) protein. It contains two N-terminal death domains. Cleavage generates p43 plus the small mature p12 subunit. Cleavage of p43 generates a prodomain p25 and large mature p17 subunit. P17 and p12 noncovalently associate to form a 29 kDa mature heterodimer. There are at least four isoform variants. There is no apparent mouse Casp-10 gene.

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