**Human Caspase-10 (FLICE 2) Antibody**

Antigen Affinity-purified Polyclonal Rabbit IgG  
Catalog Number: AF834

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**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.

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**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**  
Western Blot  
1 µg/mL  
See Below

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**DATA**

**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, at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 4.

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**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.

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**BACKGROUND**

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-Caspase-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.