

## CAPN2

**Reactivity:** Human

**Tested applications:** WB IHC FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:100 FC 1:20 - 1:50

**Calculated MW:** 80kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human CAPN2

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CANP2; CANPL2; CANPml; FLJ39928; mCANP

**Catalog #:** A0900

**Antibody Type:**

Monoclonal Antibody

**Species:** Mouse

**Gene ID:** 824

**Isotype:** IgG

**Swiss Prot:** P17655

**Purity:** Affinity purification

For research use only.

**Background:**

CAPN2 (Calpain-2 catalytic subunit) is also named as CANPL2, CANPml, mCANP, FLJ39928 and belongs to the peptidase C2 family. N-terminal sequencing of CAPN2 purified from human liver indicates that the N-terminal methionine is removed, resulting in a mature 699-amino acid subunit with a calculated molecular mass of 79.9 kD (PMID:2852952). It is a calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodelling and signal transduction. It has 2 isoforms produced by alternative splicing with the molecular weight of 80 kDa and 71 kDa. This antibody is specific to CAPN2.

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