

## CAST

**Reactivity:** Human Mouse Rat

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:2000

**Calculated MW:** 77kDa

**Observed MW:** Refer to figures

**Immunogen:**

A synthetic peptide of human CAST

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

BS-17; PLACK;

**Catalog #:** A7634

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 831

**Isotype:** IgG

**Swiss Prot:** P20810

**Purity:** Affinity purification

For research use only.

**Background:**

The protein encoded by this gene is an endogenous calpain (calcium-dependent cysteine protease) inhibitor. It consists of an N-terminal domain L and four repetitive calpain-inhibition domains (domains 1-4), and it is involved in the proteolysis of amyloid precursor protein. The calpain/calpastatin system is involved in numerous membrane fusion events, such as neural vesicle exocytosis and platelet and red-cell aggregation. The encoded protein is also thought to affect the expression levels of genes encoding structural or regulatory proteins. Alternatively spliced transcript variants encoding different isoforms have been described.

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