# [KO Validated] CAST Rabbit pAb

Catalog No.: A7634 KO Validated 3 Publications



## **Basic Information**

### **Observed MW**

130kDa

#### **Calculated MW**

77kDa

# Category

Primary antibody

## **Applications**

ELISA,WB

#### **Cross-Reactivity**

Human, Mouse, Rat

# **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.

# **Recommended Dilutions**

**WB** 

1:500 - 1:2000

# **Immunogen Information**

Gene ID 831 **Swiss Prot** 

P20810

### **Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 510-610 of human CAST (NP\_001177371.1).

## **Synonyms**

BS-17; PLACK; ST

## **Contact**

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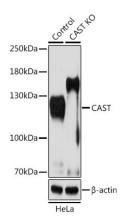
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.



Western blot analysis of extracts from normal (control) and CAST knockout (KO) HeLa cells, using CAST antibody (A7634) at 1:1000 dilution.

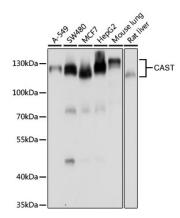
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of extracts of various cell lines, using CAST antibody (A7634) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.