

# [KO Validated] $\alpha$ -Catenin Rabbit mAb

Catalog No.: A19004 **KO Validated** **Recombinant** **2 Publications**

## Basic Information

### Observed MW

100kDa

### Calculated MW

100kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0348

## Background

This gene encodes a member of the catenin family of proteins that play an important role in cell adhesion process by connecting cadherins located on the plasma membrane to the actin filaments inside the cell. The encoded mechanosensing protein contains three vinculin homology domains and undergoes conformational changes in response to cytoskeletal tension, resulting in the reconfiguration of cadherin-actin filament connections. Certain mutations in this gene cause butterfly-shaped pigment dystrophy.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

1495

### Swiss Prot

P35221

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human  $\alpha$ -Catenin (P35221).

### Synonyms

MDBS2; MDPT2; CAP102; in

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

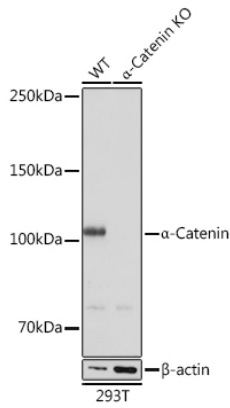
Affinity purification

### Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts from wild type (WT) and  $\alpha$ -Catenin knockout (KO) 293T cells, using  $\alpha$ -Catenin antibody (A19004) at 1:1000 dilution.

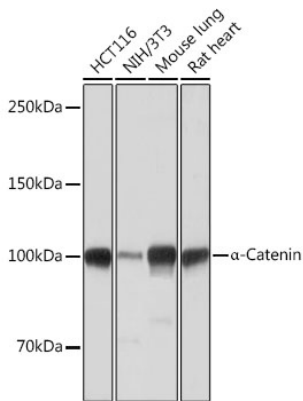
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g 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  $\alpha$ -Catenin antibody (A19004) at 1:1000 dilution.

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

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.