

α-Catenin Rabbit pAb

Catalog NO.: A5635 **KO Validated** **3 Publications**

Basic Information

Observed MW

115kDa

Calculated MW

100kDa

Category

Polyclonal Antibodies

Applications

WB, IHC-P, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

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 - 1:2000

IHC-P 1:50 - 1:200

IP

0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1495

Swiss Prot

P35221

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

MDBS2; MDPT2; CAP102; in

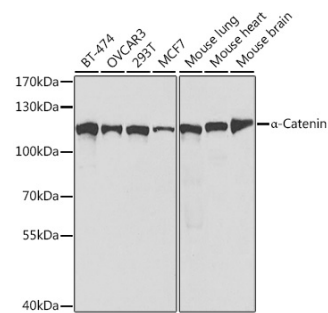
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates using [KO Validated] α-Catenin Rabbit pAb (A5635) at 1:1000 dilution.

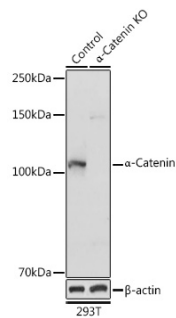
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25μg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Western blot analysis of lysates from wild type (WT) and α-Catenin knockout (KO) 293T cells, using [KO Validated] α-Catenin Rabbit pAb (A5635) at 1:1000 dilution.

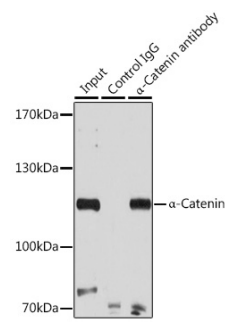
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25μg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

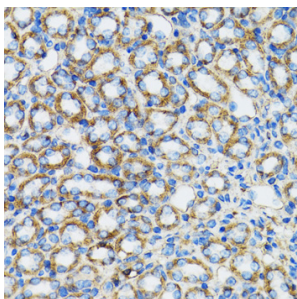
Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

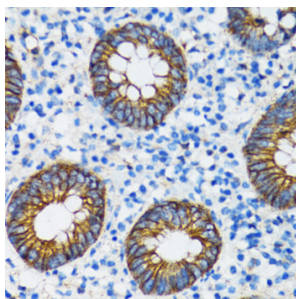


Immunoprecipitation analysis of 200 µg extracts of 293T cells using 3 µg α-Catenin antibody (A5635). Western blot was performed from the immunoprecipitate using α-Catenin antibody (A5635) at a dilution of 1:500.

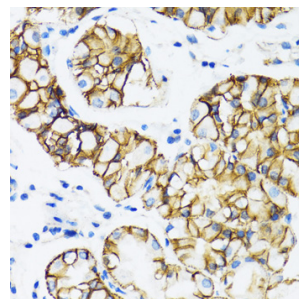
Validation Data



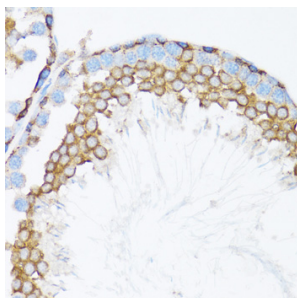
Immunohistochemistry analysis of paraffin-embedded Rat kidney using [KO Validated] α -Catenin Rabbit pAb (A5635) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human vermiform appendix using [KO Validated] α -Catenin Rabbit pAb (A5635) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human stomach using [KO Validated] α -Catenin Rabbit pAb (A5635) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using [KO Validated] α -Catenin Rabbit pAb (A5635) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

