

alpha Catenin Polyclonal Antibody

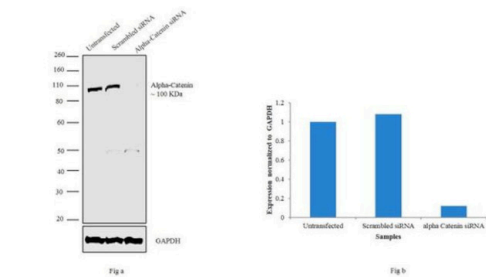
Product Details	
Size	100 µg
Species Reactivity	Chicken, Human, Mouse, Rat, Xenopus
Published Species	Dog, Rat, Virus, Hamster, Bovine, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Human alpha Catenin
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533974

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	7 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunocytochemistry (ICC/IF)	Assay-dependent	8 Publications
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Images For alpha Catenin Polyclonal Antibody

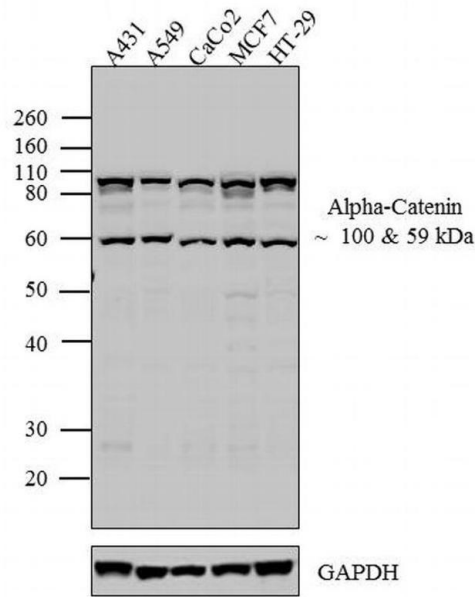
alpha Catenin Antibody (71-1200)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with alpha Catenin siRNA and absence of signal was observed in Western Blot using Anti-alpha Catenin Polyclonal Antibody (Product # 71-1200). {KD}



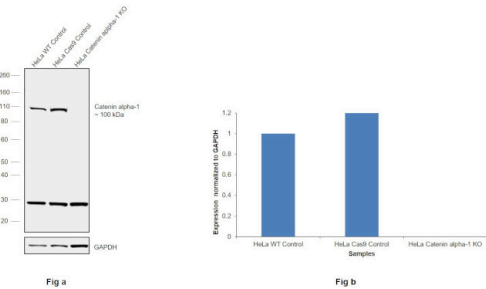
alpha Catenin Antibody (71-1200) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A431 (Lane 1), A549 (Lane 2), CaCo2 (Lane 3), MCF7 (lane 4) and HT-29 (lane 5). The blots were probed with Anti-alpha Catenin Rabbit Polyclonal Antibody (Product # 71-1200, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). Two bands ~ 100 and 59 kDa corresponding to alpha Catenin was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



alpha Catenin Antibody (71-1200)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in Catenin alpha-1 KO cell line compared to control cell line using Anti-alpha Catenin Polyclonal Antibody (Product # 71-1200). {KO}



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Western Blot (7)

<p>Cell reports</p> <p>Shigella flexneri Disruption of Cellular Tension Promotes Intercellular Spread.</p> <p>"71-1200 was used in Western Blotting to investigate the formation of plasma membrane protrusions and intercellular spread bin Shigella flexneri."</p> <p>Authors: Duncan-Lowey JK,Wiscovitch AL,Wood TE,Goldberg MB,Russo BC</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:500</p>
<p>Journal of the American Heart Association</p> <p>Knockout of SORBS2 Protein Disrupts the Structural Integrity of Intercalated Disc and Manifests Features of Arrhythmogenic Cardiomyopathy.</p> <p>"71-1200 was used in Western Blotting to conduct a detailed expression and subcellular localization analysis of Sorbs2 ortholog in mice and a phenotypic characterization in Sorbs2 knockout mice."</p> <p>Authors: Ding Y,Yang J,Chen P,Lu T,Jiao K,Tester DJ,Giudicessi JR,Jiang K,Ackerman MJ,Li Y,Wang DW,Lee HC,Wang DW,Xu X</p>	<p>Year 2020</p> <p>Species Mouse</p>

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Immunohistochemistry (4)

<p>Development (Cambridge, England)</p> <p>Oxygen regulates epithelial stem cell proliferation via RhoA-actomyosin-YAP/TAZ signal in mouse incisor.</p> <p>"71-1200 was used in Immunohistochemistry to study the role of molecular oxygen in regulating the proliferation of epithelial stem cells."</p> <p>Authors: Otsu K,Ida-Yonemochi H,Ikezaki S,Ema M,Hitomi J,Ohshima H,Harada H</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:100</p>
<p>eLife</p> <p>Telophase correction refines division orientation in stratified epithelia.</p> <p>"Published figure using alpha Catenin polyclonal antibody (Product # 71-1200) in Immunofluorescence"</p> <p>Authors: Lough KJ,Byrd KM,Descovich CP,Spitzer DC,Bergman AJ,Beaudoin GM,Reichardt LF,Williams SE</p>	<p>Year 2019</p>

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More applications with references on thermofisher.cn

- ICC/IF (8)
- Misc (1)

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