

# alpha Actinin 2 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 215 and 530 of Human alpha Actinin 2
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol
Contains	0.01% thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2546722

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:10,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

## Product Specific Information

Recommended positive controls: 293T, A431, H1299, HeLa, HepG2, Molt-4, Raji, NIH-3T3, Rat heart.

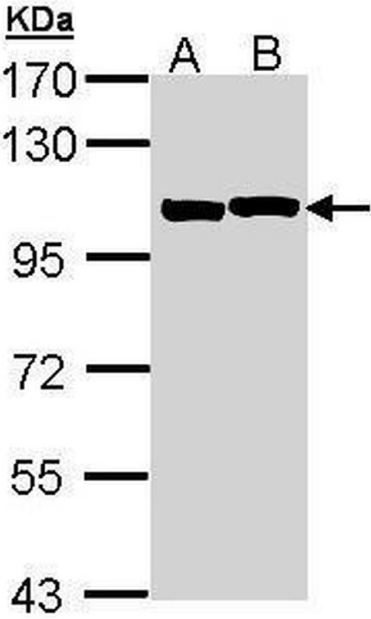
Predicted reactivity: Mouse (100%), Rat (100%), Xenopus laevis (89%), Pig (99%), Chicken (97%), Bovine (98%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For alpha Actinin 2 Polyclonal Antibody

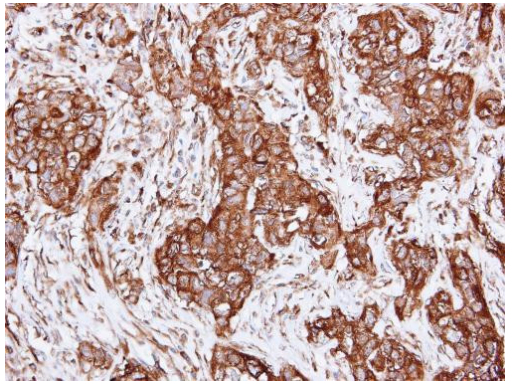
alpha Actinin 2 Antibody (PA5-29246) in WB

Western Blot using alpha Actinin 2 Polyclonal Antibody (Product # PA5-29246). Sample (30 µg of whole cell lysate). Lane A: A431. Lane B: H1299 . 7.5% SDS PAGE. Alpha Actinin 2 Polyclonal Antibody (Product # PA5-29246) diluted at 1:1,000.



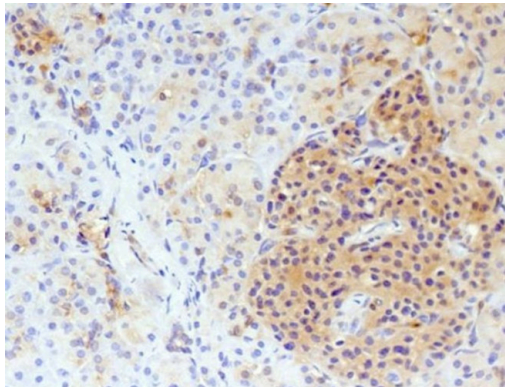
alpha Actinin 2 Antibody (PA5-29246) in IHC (P)

alpha Actinin 2 Polyclonal Antibody detects alpha Actinin 2 protein at cytoplasm and membrane on human breast carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human breast carcinoma. Alpha Actinin 2 Polyclonal Antibody (Product # PA5-29246) diluted at 1:250. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



alpha Actinin 2 Antibody (PA5-29246) in IHC

Immunohistochemistry analysis of alpha actinin 2 was performed on human pancreas tissue. To expose target proteins, antigen retrieval was performed by microwaving tissues for 8-15 minutes in 10mM sodium citrate buffer (pH 6.0). Following antigen retrieval, endogenous peroxidases were blocked with 3% hydrogen peroxide-methanol for 15 min at room temperature. Tissue slides were washed with deionized water and PBS, and then blocked in 3% BSA-PBS for 30 min at room temperature. Tissues were probed with an ACTN2 polyclonal antibody (Product # PA5-29246) diluted 1:500 in 3% BSA-PBS overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting. Images were taken at 20X magnification. Data courtesy of Antibody Data Exchange Program.



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Western Blot (1)

<p>Oncotarget</p> <p><b>Importance of the type I insulin-like growth factor receptor in HER2, FGFR2 and MET-unamplified gastric cancer with and without Ras pathway activation.</b></p> <p>"PA529246 was used in western blot to assess the importance of the IGF1R tyrosine kinase in triple-negative gastric cancer with and without oncogenic KRAS, BRAF or PI3K3CA mutations"</p> <p>Authors: Saisana M,Griffin SM,May FE</p>	<p>Year</p> <p>2016</p> <p>Species</p> <p>Human</p>
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