

Datasheet for ABIN1713700

anti-Actin antibody (AA 165-260)

3 Images

12 Publications

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Overview

Quantity:	100 µL
Target:	Actin
Binding Specificity:	AA 165-260
Reactivity:	Human, Mouse, Rat, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Actin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human alpha smooth muscle Actin
Isotype:	IgG
Specificity:	Alpha, Beta and Gamma Actins
Cross-Reactivity:	Dog, Human, Mouse, Rabbit, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Actin
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Target Details

Abstract:	Actin Products
Background:	<p>Synonyms: Actin, alpha skeletal muscle, ACTA1, Alpha-actin-1, Actin, alpha cardiac muscle 1, ACTC1, Alpha-cardiac actin, Actin, aortic smooth muscle, ACTA2, Alpha-actin-2, Actin, gamma-enteric smooth muscle, ACTG2, Actin, cytoplasmic 2, ACTG1, Actin, cytoplasmic 1, Gamma-actin, ACTB, Beta-actin,</p> <p>Background: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.</p>
Gene ID:	70
UniProt:	P68032

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date: 12 months

Publications

- Product cited in:
- Wang, Du, Niu, Fu, Wang, Zhang, Zhao, Sun, Nan: "MiR-130a-3p attenuates activation and induces apoptosis of hepatic stellate cells in nonalcoholic fibrosing steatohepatitis by directly targeting TGFBR1 and TGFBR2." in: **Cell death & disease**, Vol. 8, Issue 5, pp. e2792, (2018) ([PubMed](#)).
- Park, Kim: "Cigarette smoke-induced EGFR activation promotes epithelial mesenchymal migration of human retinal pigment epithelial cells through regulation of the FAK-mediated Syk/Src pathway." in: **Molecular medicine reports**, Vol. 17, Issue 3, pp. 3563-3574, (2018) ([PubMed](#)).
- Shen, Wu, Wang, Zhao, Zhang, Li, Zhao: "Chloroquine attenuates paraquat-induced lung injury in mice by altering inflammation, oxidative stress and fibrosis." in: **International immunopharmacology**, Vol. 46, pp. 16-22, (2017) ([PubMed](#)).
- Kim, Ko, Park, Hur, Kim, Yang: "Vandetanib and ADAM inhibitors synergistically attenuate the pathological migration of EBV-infected retinal pigment epithelial cells by regulating the VEGF-mediated MAPK pathway." in: **Experimental and therapeutic medicine**, Vol. 13, Issue 4, pp. 1415-1425, (2017) ([PubMed](#)).
- Pang, Bai, Wu, Chen, Zhang, Tang: "Urotensin II Induces ER Stress and EMT and Increase Extracellular Matrix Production in Renal Tubular Epithelial Cell in Early Diabetic Mice." in: **Kidney & blood pressure research**, Vol. 41, Issue 4, pp. 434-49, (2016) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)

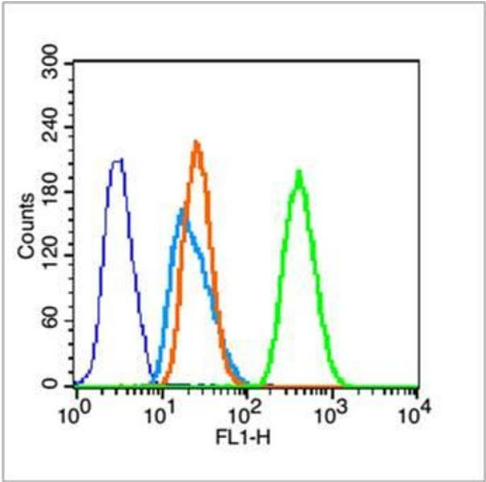
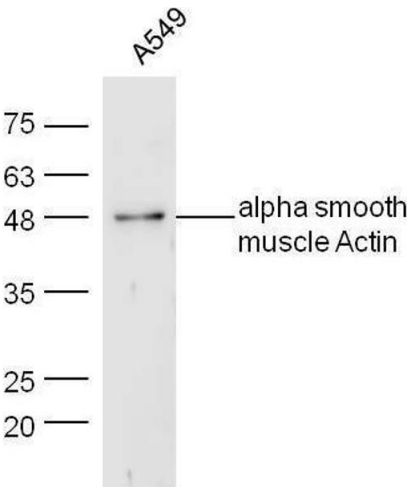
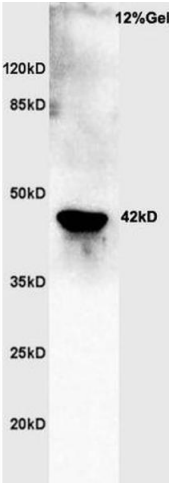


Image 1. HeLa cells probed with Actin Polyclonal Antibody, unconjugated at 1:100 dilution for 30 minutes compared to control cells (blue) and isotype control (orange)



Western Blotting

Image 2. Human A549 lysates probed with Rabbit Anti-Actin Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.



Western Blotting

Image 3. Rat brain lysates probed with Rabbit Anti-Actin Polyclonal Antibody, Unconjugated at 1:3000 for 90 min at 37°C.