# antibodies -online.com







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anti-Actin antibody (AA 346-375)



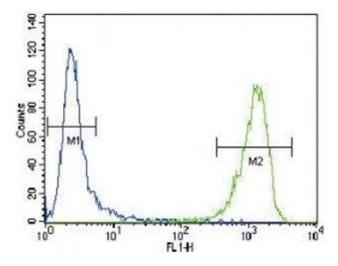
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Quantity:	0.4 mL
Target:	Actin (ACTA1)
Binding Specificity:	AA 346-375
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Actin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)
Product Details	
Immunogen:	A portion of amino acids 346-375 from human ACTA1 was used as the immunogen for this alpha Actin antibody.
Isotype:	lg Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine, Pig, Chicken, Rabbit, Xenopus
Purification:	Antigen affinity purified
Target Details	
Target:	Actin (ACTA1)
Alternative Name:	Actin (alpha) (ACTA1 Products)

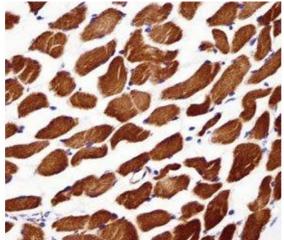
## **Target Details**

Background:	The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with a-actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an a-actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects.	
UniProt:	P68133	
Pathways:	Caspase Cascade in Apoptosis, Myometrial Relaxation and Contraction, Skeletal Muscle Fiber Development	
Application Details		
Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the alpha Actin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50,Flow Cytometry: 1:10-1:50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Aliquot the alpha Actin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.	



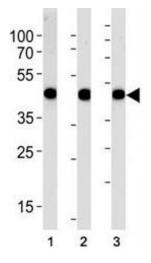
### **Flow Cytometry**

**Image 1.** Alpha Actin antibody flow cytometric analysis of CEM cells (green) compared



#### **Immunohistochemistry**

**Image 2.** Alpha Actin antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle



## **Western Blotting**

Image 3. Alpha Actin antibody western blot analysis in (1) A549, (2) RD, and (3) human placenta lysate

Please check the product details page for more images. Overall 7 images are available for ABIN3029835.