

alpha Actinin 4 Rabbit mAb

Catalog No: #52136

Package Size: #52136-1 50ul #52136-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

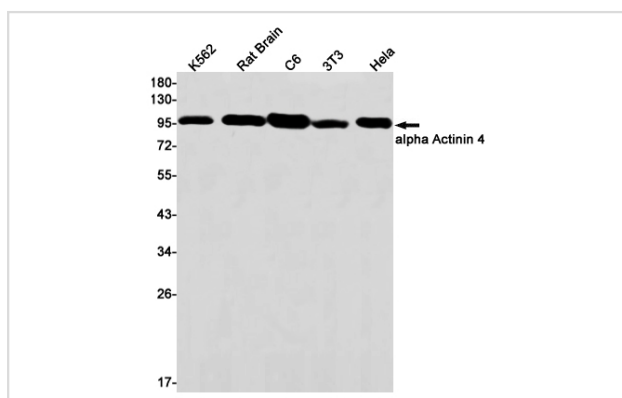
Description

Product Name	alpha Actinin 4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-3D7
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human alpha Actinin 4
Conjugates	Unconjugated
Modification	Unmodification
Other Names	FSGS; FSGS1; ACTININ-4
Accession No.	Swiss-Prot:O43707GeneID:81
Uniprot	O43707
GeneID	81
Calculated MW	Calculated MW: 105 kDa; Observed MW: 105 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

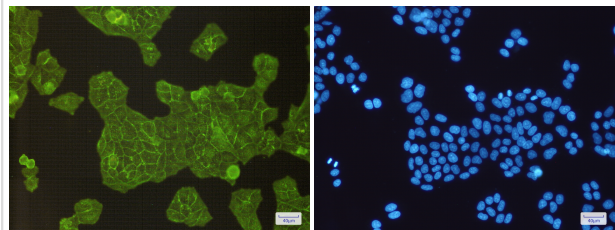
Application Details

WB: 1/1000-1/5000; ICC/IF: 1/20-1/50;

Images



Western blot detection of alpha Actinin 4 in K562,Rat Brain,C6,3T3,Hela cell lysates using alpha Actinin 4 Rabbit mAb(1:1000 diluted).Predicted band size:105kDa.Observed band size:105kDa.



Immunofluorescence of alpha Actinin 4(green) in HeLa cells using alpha Actinin 4 Rabbit mAb at dilution 1/200, and DAPI(blue)

Background

Swiss-Prot Acc.O43707.F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein (Probable). Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation (PubMed:15772161). Involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. Links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions . May also function as a transcriptional coactivator, stimulating transcription mediated by the nuclear hormone receptors PPARG and RARA (PubMed:22351778).

Note: This product is for in vitro research use only