

For Research Use Only

CoraLite®594-conjugated ACTN4 Monoclonal antibody



Catalog Number:CL594-66628

Featured Product

Basic Information

Catalog Number: CL594-66628	GenBank Accession Number: BC005033	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 81	CloneNo.: 1E12B8
Source: Mouse	Full Name: actinin, alpha 4	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG1	Calculated MW: 105 kDa	
Immunogen Catalog Number: AG13549	Observed MW: 105 and 80 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, Mouse, Rat

Background Information

ACTN4 (alpha actinin 4) is a ubiquitous actin-binding protein that cross-links actin filaments into bundles to form filopodia, and has a crucial role in cytoskeletal organization. ACTN4 is colocalized with actin stress fibers and is dispersed in the cytoplasm and in the nucleus. Increased levels of ACTN4 have been associated with cancer metastasis, indicating its implication in cancer cell migration and metastasis. Defects in ACTN4 cause glomerular disease. This antibody recognizes 105 and 80 kDa of endogenous ACTN4 protein in various lysates. (22370640, 10700177)

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

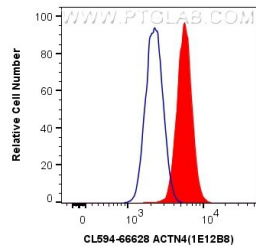
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human ACTN4 (CL594-66628, Clone:1E12B8) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).