

For Research Use Only

ACTN4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87922-1-PBS



Basic Information

Catalog Number:

87922-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13546

GenBank Accession Number:

BC005033

GeneID (NCBI):

81

UNIPROT ID:

O43707

Full Name:

actinin, alpha 4

Calculated MW:

105 kDa

Observed MW:

100-105 kDa

Purification Method:

Protein A purification

CloneNo.:

260022G12

Applications

Tested Applications:

WB, IP, Indirect ELISA

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 100-105 kDa of endogenous ACTN4 protein in various lysates. (22370640, 10700177)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

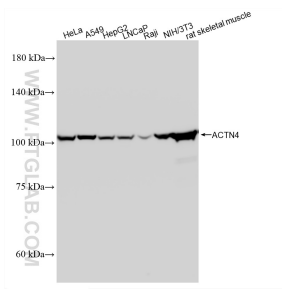
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

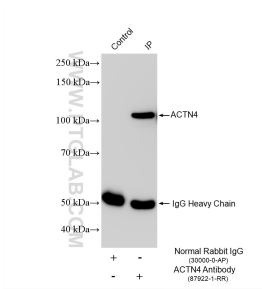
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

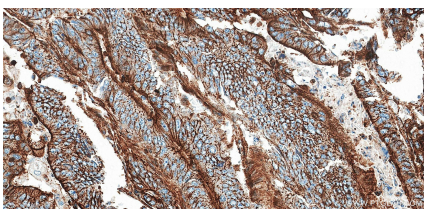
Selected Validation Data



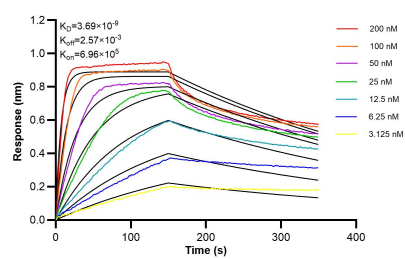
Various lysates were subjected to SDS PAGE followed by western blot with 87922-1-RR (ACTN4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87922-1-PBS in a different storage buffer formulation.



IP result of anti-ACTN4 (IP:87922-1-RR, 4ug; Detection:87922-1-RR 1:3000) with HeLa cells lysate 960 ug. This data was developed using the same antibody clone with 87922-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 87922-1-RR (ACTN4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87922-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87922-1-RR against Human ACTN4 were performed. The affinity constant is 3.69 nM.