

For Research Use Only

ACTN4 Monoclonal antibody, PBS Only



Catalog Number: 66628-1-PBS

Featured Product

Basic Information

Catalog Number:

66628-1-PBS

Size:

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

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13549

GenBank Accession Number:

BC005033

GeneID (NCBI):

81

UNIPROT ID:

O43707

Full Name:

actinin, alpha 4

Calculated MW:

105 kDa

Observed MW:

105 and 80 kDa

Purification Method:

Protein G purification

CloneNo.:

1E12B8

Applications

Tested Applications:

WB, IHC, 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 105 and 80 kDa of endogenous ACTN4 protein in various lysates. (22370640, 10700177)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

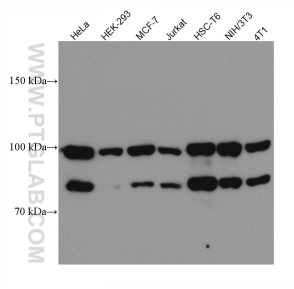
For technical support and original validation data for this product please contact:

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

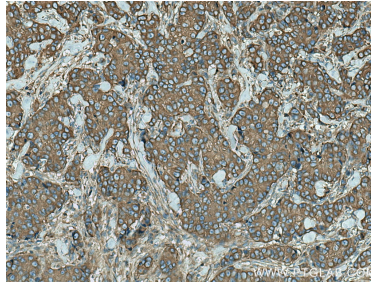
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66628-1-Ig (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 66628-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66628-1-Ig (ACTN4 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66628-1-PBS in a different storage buffer formulation.