

For Research Use Only

SMMHC Recombinant monoclonal antibody, PBS Only

Catalog Number: 86654-3-PBS



Basic Information

Catalog Number:

86654-3-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16114

GenBank Accession Number:

BC104906

GeneID (NCBI):

4629

UNIPROT ID:

P35749

Full Name:

myosin, heavy chain 11, smooth muscle

Calculated MW:

1979 aa, 228 kDa

Observed MW:

227-250 kDa

Purification Method:

Protein A purification

CloneNo.:

251604H2

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

SMMHC (smooth muscle myosin heavy chain; MYH11) is a contractile protein of smooth muscle cells. It is specifically expressed in cells derived from smooth muscle lineages. SMMHC is used as vascular smooth muscle cell (vSMC) contractile marker. It is also an excellent marker for myoepithelial cells, with no or few cross-reaction with myofibroblasts, thus very useful in the evaluation of stromal invasion.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

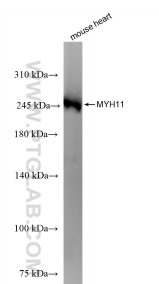
T: 4006900926

E: Proteintech-CN@ptglab.com

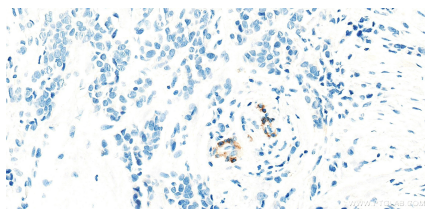
W: ptgcn.com

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

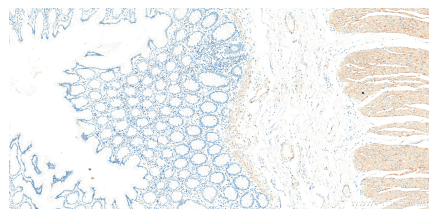
Selected Validation Data



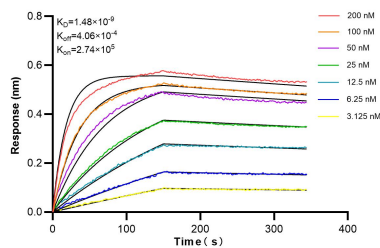
mouse heart tissue were subjected to SDS PAGE followed by western blot with 86654-3-RR (MYH11 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86654-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 86654-3-RR (SMMHC antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86654-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 86654-3-RR (SMMHC antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86654-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86654-3-RR against Human SMMHC were performed. The affinity constant is 1.48 nM.