

For Research Use Only

Calponin Monoclonal antibody, PBS Only (Detector)



Catalog Number: 66540-1-PBS

Basic Information

Catalog Number: 66540-1-PBS	GenBank Accession Number: BC022015	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 1264	CloneNo.: 1A11E5
Source: Mouse	UNIPROT ID: P51911	
Isotype: IgG2b	Full Name: calponin 1, basic, smooth muscle	
Immunogen Catalog Number: AG21384	Calculated MW: 33 kDa	
	Observed MW: 33-35 kDa	

Applications

Tested Applications:
WB, IHC, Sandwich ELISA, Indirect ELISA

Species Specificity:
Human

Background Information

Calponin is a family of actin filament-associated proteins which regulate smooth muscle cell contraction. Three isoforms of calponin exist: calponin h1 (CNN1), calponin h2 (CNN2) and calponin 3 (CNN3). CNN1 is a basic 34-kD protein specifically expressed in smooth muscle and a marker of smooth muscle cell differentiation. This antibody raised against the specific region of human CNN1, thus it does not cross-react with CNN2 or CNN3.

Storage

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

Storage Buffer:
100% PBS pH 7.3

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

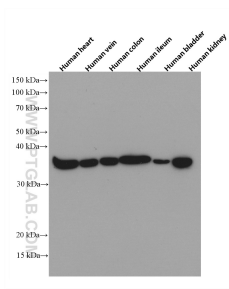
T: 4006900926

E: Proteintech-CN@ptglab.com

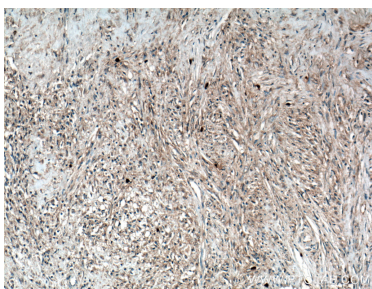
W: ptgcn.com

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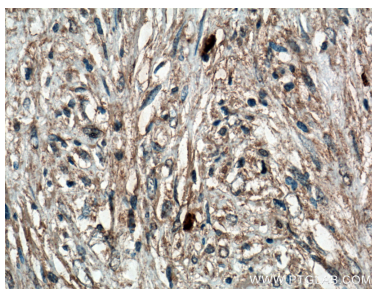
Selected Validation Data



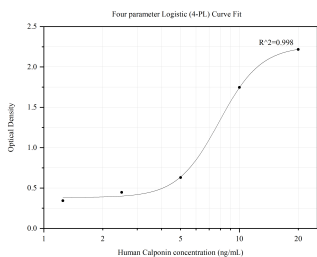
Various tissue were subjected to SDS PAGE followed by western blot with 66540-1-Ig (Calponin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66540-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human myofibroblastoma tissue slide using 66540-1-Ig (Calponin antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66540-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human myofibroblastoma tissue slide using 66540-1-Ig (Calponin antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66540-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP50017-1, Calponin Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66540-2-PBS. Detection antibody: HRP-conjugated 66540-1-PBS. Standard: Ag21384. Range: 0.313-20 ng/mL.