

For Research Use Only

SPON2 Monoclonal antibody

Catalog Number: 66859-1-Ig **1 Publications**



Basic Information

Catalog Number: 66859-1-Ig	GenBank Accession Number: BC002707	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10417	CloneNo.: 1H4B11
Source: Mouse	Full Name: spondin 2, extracellular matrix protein	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000
Isotype: IgG2a	Calculated MW: 331 aa, 36 kDa	
Immunogen Catalog Number: AG14337	Observed MW: 38 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : LNCaP cells, IHC : human prostate cancer tissue,
Cited Applications: IHC, WB	
Species Specificity: Human	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SPON2 (Spondin 2), also known as Mindin, is a member of the F-spondin family of secreted extracellular matrix proteins. This protein has been implicated in axon guidance, immune response and adhesion. SPON2 is essential in the initiation of the innate immune response and represents a unique pattern-recognition molecule in the ECM for microbial pathogens (PMID: 14691481). It also functions as an integrin ligand for inflammatory cell recruitment and T-cell priming (PMID: 19153605). Besides, SPON2 has been reported as a prognostic biomarker for ovarian and prostate cancer (PMID: 17490732; 22615945; 23665271).

Notable Publications

Author	Pubmed ID	Journal	Application
Ming Wu	36427776	Bone	WB, IHC

Storage

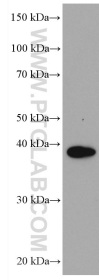
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

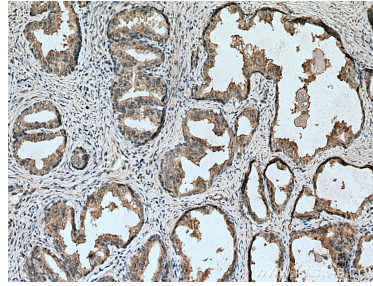
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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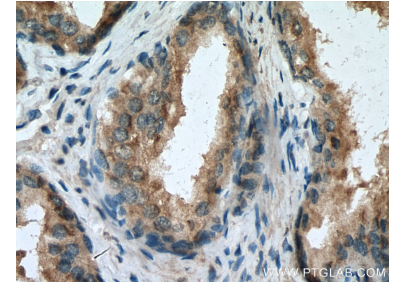
Selected Validation Data



LNCaP cells were subjected to SDS PAGE followed by western blot with 66859-1-Ig (SPON2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66859-1-Ig (SPON2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66859-1-Ig (SPON2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).