For Research Use Only

SPON2 Monoclonal antibody

Catalog Number:66859-1-Ig 1 Publications

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Basic Information

Catalog Number:
66859-1-Ig

Size:
1500 μg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG14337

GenBank Accession Number:
BC002707

GeneID (NCBI):
10417

UNIPROT ID:
Q9BUD6

Full Name:
spondin 2, extracellular matrix protein

Calculated MW:
331 aa, 36 kDa

Observed MW:
38 kDa

Purification Method:
Protein A purification

CloneNo.:
1H4B11

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:500-1:2000

Applications

Tested Applications:
IHC, WB,ELISA

Cited Applications:
WB, IHC

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

Positive Controls:

WB : LNCaP cells,

IHC : human prostate cancer tissue,

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

For technical support and original validation data for this product please contact:
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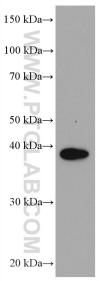
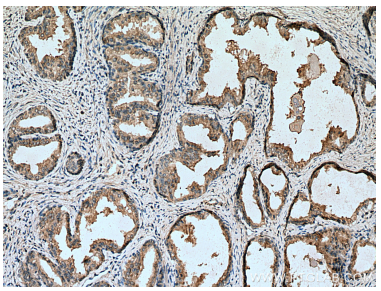
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

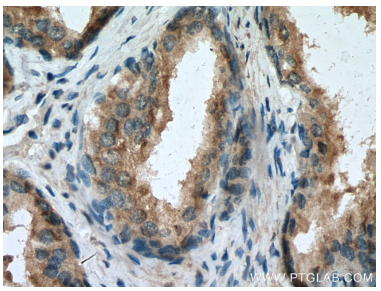
Selected Validation Data



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).