

For Research Use Only

ASPN Polyclonal antibody, PBS Only

Catalog Number: 27602-1-PBS



Basic Information

Catalog Number:

27602-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26380

GenBank Accession Number:

BC063114

GeneID (NCBI):

54829

UNIPROT ID:

Q9BXN1

Full Name:

asporin

Calculated MW:

384 aa, 44 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

ASPN, also known as periodontal ligament-associated protein1 (PLAP1), is an extracellular matrix (ECM) protein. The calculated molecular weight of ASPN is 43 kDa. It belongs to the small leucine-rich proteoglycans (SLRPs) family and contains a unique aspartate-rich N terminus that distinguishes it from other SLRPs family members. It was firstly identified in human cartilage and it was associated with the pathogenesis of bone and joint diseases, including osteoarthritis, intervertebral disc degeneration and periodontal ligament mineralization (PMID:11152692; 26089687).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

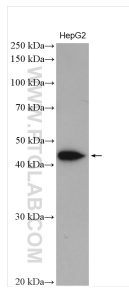
For technical support and original validation data for this product please contact:

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

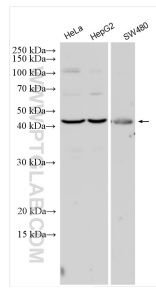
E: proteintech@ptglab.com
W: ptglab.com

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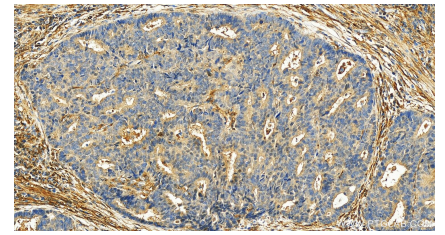
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 27602-1-AP (ASPEN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27602-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 27602-1-AP (ASPEN antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27602-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 27602-1-AP (ASPEN antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27602-1-PBS in a different storage buffer formulation.