

For Research Use Only

ASPN Polyclonal antibody

Catalog Number: 27602-1-AP



Basic Information

Catalog Number: 27602-1-AP	GenBank Accession Number: BC063114	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 54829	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: asporin	
Isotype: IgG	Calculated MW: 384 aa, 44 kDa	
Immunogen Catalog Number: AG26380	Observed MW: 43 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, SW480 cells, HeLa cells
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 -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

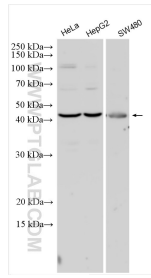
For technical support and original validation data for this product please contact:

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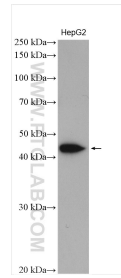
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27602-1-AP (ASPN antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 27602-1-AP (ASPN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.