

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: 500 ug/ml	GeneID (NCBI): 54829	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9BXN1	
Isotype: IgG	Full Name: asporin	
Immunogen Catalog Number: AG26380	Calculated MW: 384 aa, 44 kDa Observed MW: 43 kDa	

## Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HepG2 cells, SW480 cells, HeLa cells IHC : human stomach cancer tissue,
Species Specificity: human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

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

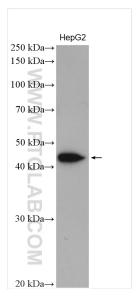
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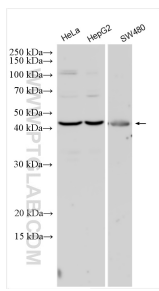
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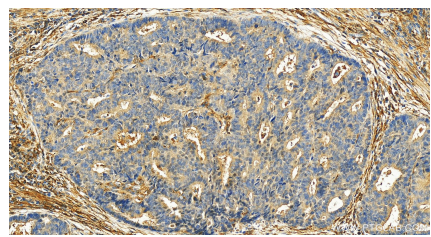
## Selected Validation Data



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.



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.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 27602-1-AP (ASPN antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).