

For Research Use Only

HYAL1 Polyclonal antibody

Catalog Number: 25179-1-AP



Basic Information

Catalog Number: 25179-1-AP	GenBank Accession Number: BC035695	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3373	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q12794	
Isotype: IgG	Full Name: hyaluronoglucosaminidase 1	
Immunogen Catalog Number: AG17943	Calculated MW: 435 aa, 48 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HCT 116 cells, HeLa cells, HepG2 cells, MCF-7 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse liver tissue,

Background Information

Hyaluronic acid (HA) is a glycosaminoglycan that is believed to have numerous important biologic functions, including modulation of cell proliferation, migration, and differentiation, as well as the regulation of extracellular water and protein homeostasis. It is also an integral structural component of cartilage and other tissues and acts as a lubricant in joints. Hyaluronidases are a family of enzymes that catalyse the degradation of HA. In humans, there are five functional hyaluronidases: HYAL1, HYAL2, HYAL3, HYAL4 and HYAL5 (also known as SPAM1 or PH-20); plus a pseudogene, HYAL6 (also known as HYALP1). HYAL-1 is present in many tissues and is predominantly found in the plasma and urine (PMID: 16600643). In addition to its function in normal cellular hyaluronan turnover, human HYAL-1 is implicated in cancer proliferation, angiogenesis, and inflammatory diseases (PMID: 17503783).

Storage

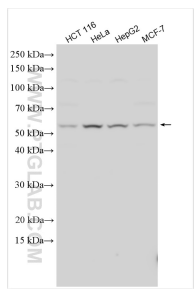
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

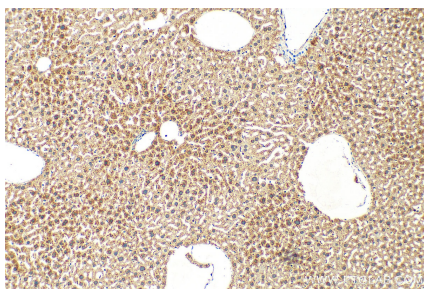
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

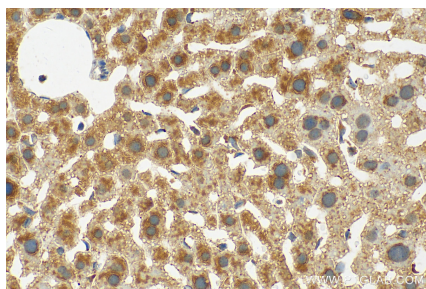
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25179-1-AP (HYAL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 25179-1-AP (HYAL1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 25179-1-AP (HYAL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).