For Research Use Only

HYAL1 Polyclonal antibody

Catalog Number:25179-1-AP

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Basic Information

Catalog Number:
25179-1-AP

Size:
150ul , Concentration: 600 μg/ml by Nanodrop and 300 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG17943

GenBank Accession Number:
BC035695

GeneID (NCBI):
3373

Full Name:
hyaluronoglucosaminidase 1

Calculated MW:
435 aa, 48 kDa

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:8000
IHC 1:50-1:500

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

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 : HCT 116 cells, HeLa cells, HepG2 cells, MCF-7 cells

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

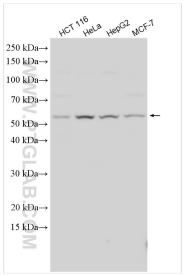
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

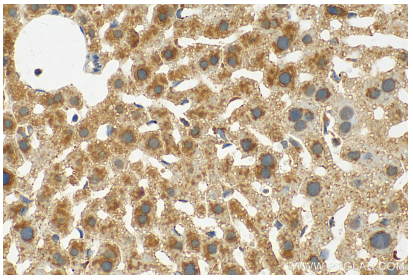
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).