

For Research Use Only

HYAL2 Polyclonal antibody

Catalog Number: 51148-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

51148-1-AP

Concentration:

3500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0582

GenBank Accession Number:

BC000692

GeneID (NCBI):

8692

UNIPROT ID:

Q12891

Full Name:

hyaluronoglucosaminidase 2

Calculated MW:

54 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human

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 : mouse heart tissue, human heart tissue, human lung tissue, mouse liver tissue

IHC : human lung cancer tissue,

IF/ICC : HeLa cells,

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). HYAL2 is present in many tissues except the adult brain (PMID: 11731268). HYAL2 can be exposed to cell surfaces that bind to the plasma membrane via GPI anchors (PMID: 11731268).

Notable Publications

Author	Pubmed ID	Journal	Application
Takuya Ooki	31080060	Dev Cell	WB,IHC

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:

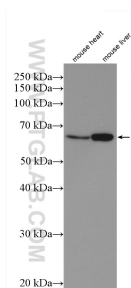
T: 4006900926

E: Proteintech-CN@ptglab.com

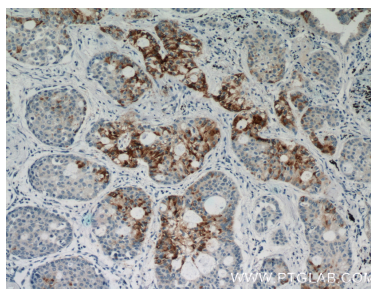
W: ptgcn.com

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

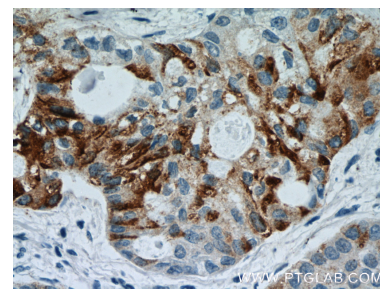
Selected Validation Data



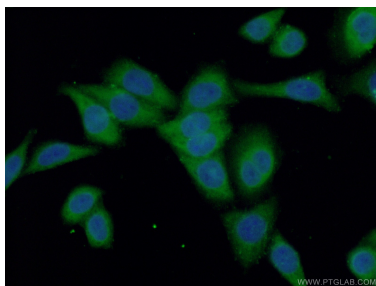
mouse heart tissue and mouse liver tissue were subjected to SDS PAGE followed by western blot with 51148-1-AP (HYAL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 51148-1-AP (HYAL2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 51148-1-AP (HYAL2 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 51148-1-AP (HYAL2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).