

For Research Use Only

# HYAL1 Monoclonal antibody, PBS Only



Catalog Number: 66560-1-PBS

## Basic Information

<b>Catalog Number:</b> 66560-1-PBS	<b>GenBank Accession Number:</b> BC035695	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 3373	<b>CloneNo.:</b> 1B8B5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q12794	
<b>Isotype:</b> IgG1	<b>Full Name:</b> hyaluronoglucosaminidase 1	
<b>Immunogen Catalog Number:</b> AG18183	<b>Calculated MW:</b> 435 aa, 48 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

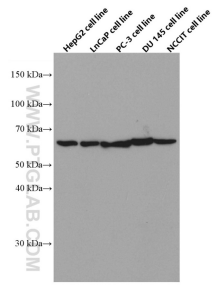
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 66560-1-Ig (HYAL1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66560-1-PBS in a different storage buffer formulation.