

For Research Use Only

HYAL1 Monoclonal antibody, PBS Only



Catalog Number: 66560-1-PBS

Basic Information

Catalog Number: 66560-1-PBS	GenBank Accession Number: BC035695	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3373	CloneNo.: 1B8B5
Source: Mouse	UNIPROT ID: Q12794	
Isotype: IgG1	Full Name: hyaluronoglucosaminidase 1	
Immunogen Catalog Number: AG18183	Calculated MW: 435 aa, 48 kDa	
	Observed MW: 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.

Storage Buffer:
PBS Only

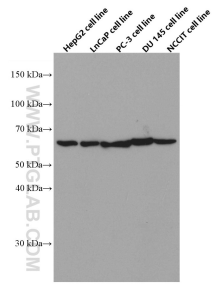
For technical support and original validation data for this product please contact:

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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.