

For Research Use Only

HYAL1 Monoclonal antibody

Catalog Number: 66560-1-Ig **2 Publications**



Basic Information

Catalog Number: 66560-1-Ig	GenBank Accession Number: BC035695	Purification Method: Protein A purification
Size: 150ul , Concentration: 1493 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3373	CloneNo.: 1B8B5
Source: Mouse	UNIPROT ID: Q12794	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Full Name: hyaluronoglucosaminidase 1	
Immunogen Catalog Number: AG18183	Calculated MW: 435 aa, 48 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, LNCaP cells, PC-3 cells, DU 145 cells, NCCIT cells
Cited Applications: WB, IF	
Species Specificity: Human	
Cited Species: human, mouse	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Xuefeng He	39009952	Appl Biochem Biotechnol	WB,IF
Shibing Wang	38458640	J Immunother Cancer	WB

Storage

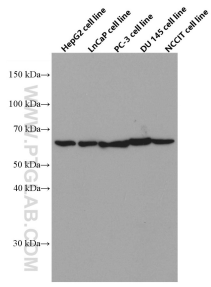
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.