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HYAL1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HYAL1.
Catalog # AT2461a

Product Information

Application	IP, E
Primary Accession	Q12794
Other Accession	NM_007312
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2H7
Calculated MW	48368

Additional Information

Gene ID	3373
Other Names	Hyaluronidase-1, Hyal-1, Hyaluronoglucosaminidase-1, Lung carcinoma protein 1, LuCa-1, HYAL1, LUCA1
Target/Specificity	HYAL1 (NP_009296, 60 a.a. ~ 159 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HYAL1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

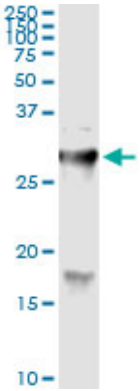
Background

This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for this gene.

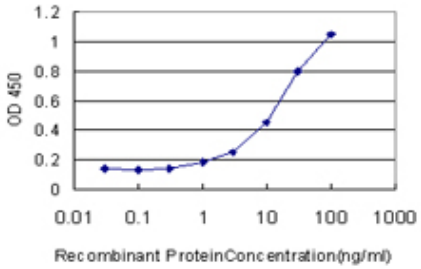
References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.Endocytosis of hyaluronidase-1 by the liver. Gasingirwa MC, et al. Biochem J, 2010 Sep 1. PMID 20572808.Genetic variation in hyaluronan metabolism loci is associated with plasma plasminogen activator inhibitor-1 concentration. Lanktree MB, et al. Blood, 2010 Sep 23. PMID 20558613.Peritoneal adhesion and angiogenesis in ovarian carcinoma are inversely regulated by hyaluronan: the role of gonadotropins. Tzuman YC, et al. Neoplasia, 2010 Jan. PMID 20072653.Comparison of hyaluronidase expression, invasiveness and tubule formation promotion in ER (-) and ER (+) breast cancer cell lines in vitro. Wang XY, et al. Chin Med J (Engl), 2009 Jun 5. PMID 19567141.

Images



Immunoprecipitation of HYAL1 transfected lysate using anti-HYAL1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with HYAL1 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged HYAL1 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.