

**HYAL1 monoclonal antibody (M01), clone 2H7**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AT2461a**

**Specification**

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**HYAL1 monoclonal antibody (M01), clone 2H7 - Product Information**

Application	IP, WB, E
Primary Accession	<a href="#">Q12794</a>
Other Accession	<a href="#">NM_007312</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	48368

**HYAL1 monoclonal antibody (M01), clone 2H7 - 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.

**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 monoclonal antibody (M01), clone 2H7 is for research use only and not for use in diagnostic or therapeutic procedures.

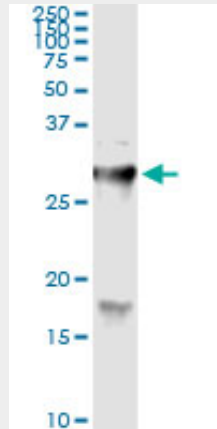
**HYAL1 monoclonal antibody (M01), clone 2H7 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

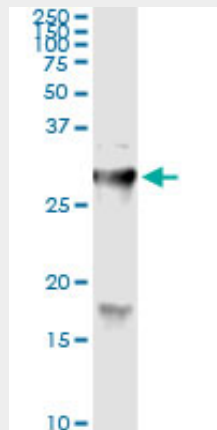
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

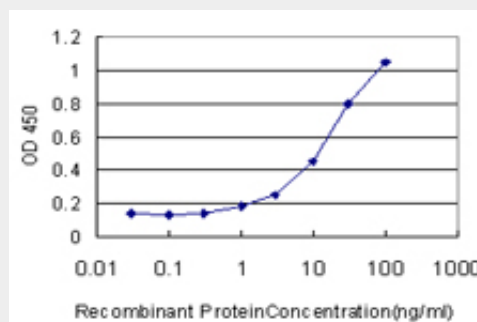
**HYAL1 monoclonal antibody (M01), clone 2H7 - Images**



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



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.

**HYAL1 monoclonal antibody (M01), clone 2H7 - 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.

#### **HYAL1 monoclonal antibody (M01), clone 2H7 - 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.