

**HYAL1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14886b****Specification**

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**HYAL1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q12794](#)**HYAL1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3373**Other Names**

Hyaluronidase-1, Hyal-1, Hyaluronoglucosaminidase-1, Lung carcinoma protein 1, LuCa-1, HYAL1, LUCA1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HYAL1 Antibody (C-term) Blocking Peptide - Protein Information****Name** HYAL1**Synonyms** LUCA1**Function**

May have a role in promoting tumor progression. May block the TGFB1-enhanced cell growth.

**Cellular Location**

Secreted. Lysosome

**Tissue Location**

Highly expressed in the liver, kidney and heart. Weakly expressed in lung, placenta and skeletal muscle. No expression detected in adult brain. Isoform 1 is expressed only in bladder and prostate cancer cells, G2/G3 bladder tumor tissues and lymph node specimens showing tumor invasive tumors cells. Isoform 3, isoform 4, isoform 5 and isoform 6 are expressed in normal bladder and bladder tumor tissues.

**HYAL1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **HYAL1 Antibody (C-term) Blocking Peptide - Images**

#### **HYAL1 Antibody (C-term) Blocking Peptide - 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 Antibody (C-term) Blocking Peptide - References**

Lanktree, M.B., et al. Blood 116(12):2160-2163(2010) Gasingirwa, M.C., et al. Biochem. J. 430(2):305-313(2010) Tzuman, Y.C., et al. Neoplasia 12(1):51-60(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Wang, X.Y., et al. Chin. Med. J. 122(11):1300-1304(2009)