

HYAL2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12491c**Specification**

HYAL2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q12891](#)**HYAL2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 8692**Other Names**

Hyaluronidase-2, Hyal-2, Hyaluronoglucosaminidase-2, Lung carcinoma protein 2, LuCa-2, HYAL2, LUCA2

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.

HYAL2 Antibody (Center) Blocking peptide - Protein Information**Name** HYAL2**Synonyms** LUCA2**Function**

Hydrolyzes high molecular weight hyaluronic acid to produce an intermediate-sized product which is further hydrolyzed by sperm hyaluronidase to give small oligosaccharides. Displays very low levels of activity. Associates with and negatively regulates MST1R.

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor

Tissue Location

Widely expressed. No expression detected in adult brain.

HYAL2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HYAL2 Antibody (Center) Blocking peptide - Images

HYAL2 Antibody (Center) Blocking peptide - Background

This gene encodes a weak acid-active hyaluronidase. The encoded protein is similar in structure to other more active hyaluronidases. Hyaluronidases degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan and fragments of hyaluronan are thought to be involved in cell proliferation, migration and differentiation. Although it was previously thought to be a lysosomal hyaluronidase that is active at a pH below 4, the encoded protein is likely a GPI-anchored cell surface protein. This hyaluronidase serves as a receptor for the oncogenic virus Jaagsiekte sheep retrovirus. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes two alternatively spliced transcript variants which differ only in the 5' UTR.

HYAL2 Antibody (Center) Blocking peptide - References

Monzon, M.E., et al. J. Biol. Chem. 285(34):26126-26134(2010) Tzuman, Y.C., et al. Neoplasia 12(1):51-60(2010) de la Motte, C., et al. Am. J. Pathol. 174(6):2254-2264(2009) Nykopp, T.K., et al. BMC Cancer 9, 143 (2009) Miller, A.D., et al. Osteoarthritis Cartilage 14(12):1315-1317(2006)