10320 Camino Santa Fe, Suite G
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HYAL2 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP12491c

Specification

HYAL2 Antibody (Center) Blocking peptide - Product Information

Primary 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
Catalyzes hyaluronan degradation into small fragments that are endocytosed and degraded in lysosomes by HYAL1 and exoglycosidases (PubMed:9712871). Essential for the breakdown of extracellular matrix hyaluronan (PubMed:28081210).

Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor

Tissue Location
Widely expressed (at protein level).

HYAL2 Antibody (Center) Blocking peptide - Protocols

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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. Theencoded protein is similar in structure to other more activehyaluronidases. Hyaluronidases degrade hyaluronan, one of the majorglycosaminoglycans of the extracellular matrix. Hyaluronan andfragments of hyaluronan are thought to be involved in cellproliferation, migration and differentiation. Although it waspreviously thought to be a lysosomal hyaluronidase that is activeat a pH below 4, the encoded protein is likely a GPI-anchored cellsurface protein. This hyaluronidase serves as a receptor for theoncogenic virus Jaagsiekte sheep retrovirus. The gene is one ofseveral related genes in a region of chromosome 3p21.3 associatedwith tumor suppression. This gene encodes two alternatively splicedtranscript 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. Osteoarthr. Cartil. 14(12):1315-1317(2006)