

**HAS3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18700c****Specification**

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**HAS3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O00219](#)**HAS3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 3038**Other Names**

Hyaluronan synthase 3, Hyaluronate synthase 3, Hyaluronic acid synthase 3, HA synthase 3, HAS3

**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.

**HAS3 Antibody (Center) Blocking Peptide - Protein Information****Name** HAS3 ([HGNC:4820](#))**Function**

Catalyzes the addition of GlcNAc or GlcUA monosaccharides to the nascent hyaluronan polymer. Therefore, it is essential to hyaluronan synthesis a major component of most extracellular matrices that has a structural role in tissues architectures and regulates cell adhesion, migration and differentiation. This is one of three isoenzymes responsible for cellular hyaluronan synthesis.

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Golgi apparatus, trans-Golgi network membrane {ECO:0000250|UniProtKB:O08650}; Multi-pass membrane protein. Early endosome. Note=Travels from endoplasmic reticulum (ER), Golgi to plasma membrane (PubMed:26883802). Active only when present in plasma membrane (By similarity). O-GlcNAcylation controls its membrane localization (PubMed:26883802). A rapid recycling of HAS3 between plasma membrane and endosomes is controlled by the cytosolic levels of UDP-GlcUA and UDP-GlcNAc (PubMed:26883802) {ECO:0000250|UniProtKB:O08650, ECO:0000269|PubMed:26883802}

**HAS3 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **HAS3 Antibody (Center) Blocking Peptide - Images**

#### **HAS3 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is involved in the synthesis of the unbranched glycosaminoglycan hyaluronan, or hyaluronic acid, which is a major constituent of the extracellular matrix. This gene is a member of the NODC/HAS gene family. Compared to the proteins encoded by other members of this gene family, this protein appears to be more of a regulator of hyaluronan synthesis. Alternative splicing results in multiple transcript variants.

#### **HAS3 Antibody (Center) Blocking Peptide - References**

Dunn, K.M., et al. Surgery 145(3):322-329(2009) Nykopp, T.K., et al. BMC Cancer 9, 143 (2009)  
:Nair, S., et al. J. Nephrol. 21(3):400-405(2008) Campo, G.M., et al. Mol. Cell. Biochem. 292 (1-2), 169-178 (2006) :Grskovic, B., et al. Biochim. Biophys. Acta 1760(6):890-895(2006)