

SULF2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12788b

Specification

SULF2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q8IWU5](#)

SULF2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 55959

Other Names

Extracellular sulfatase Sulf-2, hSulf-2, 316-, SULF2, KIAA1247

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.

SULF2 Antibody (C-term) Blocking peptide - Protein Information

Name SULF2

Synonyms KIAA1247

Function

Exhibits arylsulfatase activity and highly specific endoglucosamine-6-sulfatase activity (PubMed: [12368295](http://www.uniprot.org/citations/12368295), PubMed: [30788513](http://www.uniprot.org/citations/30788513), PubMed: [35294879](http://www.uniprot.org/citations/35294879)). It can remove sulfate from the C-6 position of glucosamine within specific subregions of intact heparin (PubMed: [12368295](http://www.uniprot.org/citations/12368295), PubMed: [30788513](http://www.uniprot.org/citations/30788513), PubMed: [35294879](http://www.uniprot.org/citations/35294879)).

Cellular Location

Endoplasmic reticulum {ECO:0000250|UniProtKB:Q8VI60}. Golgi apparatus, Golgi stack {ECO:0000250|UniProtKB:Q8VI60}. Cell surface

Tissue Location

Expressed at highest levels in the ovary, skeletal muscle, stomach, brain, uterus, heart, kidney

and placenta

SULF2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SULF2 Antibody (C-term) Blocking peptide - Images

SULF2 Antibody (C-term) Blocking peptide - Background

Heparan sulfate proteoglycans (HSPGs) act as coreceptors for numerous heparin-binding growth factors and cytokines and are involved in cell signaling. Heparan sulfate 6-O-endosulfatases, such as SULF2, selectively remove 6-O-sulfate groups from heparan sulfate. This activity modulates the effects of heparan sulfate by altering binding sites for signaling molecules (Dai et al., 2005[PubMed 16192265]).

SULF2 Antibody (C-term) Blocking peptide - References

Lai, J.P., et al. Hepatology 52(5):1680-1689(2010) Ellinor, P.T., et al. Nat. Genet. 42(3):240-244(2010) Lemjabbar-Alaoui, H., et al. Oncogene 29(5):635-646(2010) Tang, R., et al. J. Biol. Chem. 284(32):21505-21514(2009) Chau, B.N., et al. Cancer Res. 69(4):1368-1374(2009)