

CSPG5 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16908b**Specification**

CSPG5 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O95196](#)**CSPG5 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10675**Other Names**

Chondroitin sulfate proteoglycan 5, Acidic leucine-rich EGF-like domain-containing brain protein, Neuroglycan C, CSPG5, CALEB, NGC

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.

CSPG5 Antibody (C-term) Blocking Peptide - Protein Information**Name** CSPG5**Synonyms** CALEB, NGC**Function**

May function as a growth and differentiation factor involved in neuritogenesis. May induce ERBB3 activation.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9ERQ6}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9ERQ6} Synaptic cell membrane {ECO:0000250|UniProtKB:Q71M36}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q71M36}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q71M36}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q71M36}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q71M36}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q71M36}. Cell surface {ECO:0000250|UniProtKB:Q71M36}. Secreted. Note=In neurons, localizes to synaptic junctions. Also detected in the endoplasmic reticulum and the Golgi Partially enriched in lipid rafts. {ECO:0000250|UniProtKB:Q71M36, ECO:0000250|UniProtKB:Q9ERQ6}

Tissue Location

Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Detected in urine (at protein level) (PubMed:37453717). Expressed in brain (at protein level) (PubMed:9950058).

CSPG5 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CSPG5 Antibody (C-term) Blocking Peptide - Images**CSPG5 Antibody (C-term) Blocking Peptide - Background**

CSPG5 may function as a growth and differentiation factor involved in neuritogenesis. May induce ERBB3 activation.

CSPG5 Antibody (C-term) Blocking Peptide - References

So, H.C., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (1), 103-113 (2010)
:Ichihara-Tanaka, K., et al. J. Biol. Chem. 281(41):30857-30864(2006)Aono, S., et al. J. Neurosci. Res. 83(1):110-118(2006)Kinugasa, Y., et al. Biochem. Biophys. Res. Commun. 321(4):1045-1049(2004)Hassel, B., et al. J. Biol. Chem. 278(41):40136-40143(2003)