

ITM2C Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17192a**Specification**

ITM2C Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9NOX7](#)

ITM2C Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 81618

Other Names

Integral membrane protein 2C, Cerebral protein 14, Transmembrane protein BRI3, CT-BRI3, ITM2C, BRI3

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.

ITM2C Antibody (N-term) Blocking Peptide - Protein Information

Name ITM2C

Synonyms BRI3

Function

Negative regulator of amyloid-beta peptide production. May inhibit the processing of APP by blocking its access to alpha- and beta-secretase. Binding to the beta-secretase-cleaved APP C-terminal fragment is negligible, suggesting that ITM2C is a poor gamma-secretase cleavage inhibitor. May play a role in TNF-induced cell death and neuronal differentiation (By similarity).

Cellular Location

Lysosome membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein

Tissue Location

High levels in the brain, specifically in the cerebral cortex, medulla, amygdala, hippocampus, thalamus, caudate nucleus, cerebellum, olfactory lobe and spinal cord. Very low levels in other organs.

ITM2C Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ITM2C Antibody (N-term) Blocking Peptide - Images

ITM2C Antibody (N-term) Blocking Peptide - Background

Negative regulator of beta amyloid peptide production. May inhibit the processing of APP by blocking its access to alpha-and beta-secretase. Binding to the beta-secretase-cleaved APP C-terminal fragment is negligible, suggesting that ITM2C is a poor gamma-secretase cleavage inhibitor. May play a role in TNF-induced cell death and neuronal differentiation (By similarity).

ITM2C Antibody (N-term) Blocking Peptide - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)Matsuda, S., et al. J. Biol. Chem. 284(23):15815-15825(2009)Matsuda, S., et al. Mol Neurodegener 4, 41 (2009) :Gong, Y., et al. BMB Rep 41(4):287-293(2008)