

**ITM2C Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17192a****Specification**

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**ITM2C Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9NOX7</a>
Other Accession	<a href="#">O4R540</a> , <a href="#">NP_001012532.1</a> , <a href="#">NP_001012534.1</a>
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30224
Antigen Region	27-55

**ITM2C Antibody (N-term) - Additional Information****Gene ID** 81618**Other Names**

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

**Target/Specificity**

This ITM2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-55 amino acids from the N-terminal region of human ITM2C.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ITM2C Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ITM2C Antibody (N-term) - 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

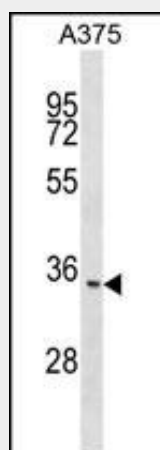
**Tissue Location**

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) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ITM2C Antibody (N-term) - Images**

ITM2C Antibody (N-term) (Cat. #AP17192a) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the ITM2C antibody detected the ITM2C protein (arrow).

**ITM2C Antibody (N-term) - 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) - References**

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Matsuda, S., et al. J. Biol. Chem. 284(23):15815-15825(2009)  
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