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

Specification

ITM2C Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NQX7
Other Accession	Q4R540, NP_001012532.1, NP_001012534.1
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
E~~Use at an assay dependent concentration.

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

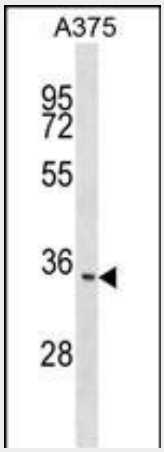
Tissue Location
High levels in the brain, specifically in the cerebral cortex, medulla, amygdala, hippocampus, thalamus, caudate nucleus, cerebellum, olfactory lobe and spinal cord. Very low levels in other organs.

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 Cytomety
- 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).

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ITM2C Antibody (N-term) - References

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Matsuda, S., et al. Mol Neurodegener 4, 41 (2009) :
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