10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

ABRI / ITM2B Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS14582

Specification

ABRI / ITM2B Antibody (Internal) - Product Information

Application	**WB, IHC**
Primary Accession	O9Y287
Reactivity	**Human, Monkey, Horse, Bovine**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**30kDa KDa**

ABRI / ITM2B Antibody (Internal) - Additional Information

Gene ID 9445

Other Names
Integral membrane protein 2B, Immature BRI2, imBRI2, Protein E25B, Transmembrane protein BRI, Bri, BRI2, membrane form, Mature BRI2, mBRI2, BRI2 intracellular domain, BRI2 ICD, BRI2C, soluble form, Bri23 peptide, Bri2-23, ABri23, C-terminal peptide, P23 peptide, ITM2B, BRI, BRI2

Target/Specificity
Human ITM2B.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
ABRI / ITM2B Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

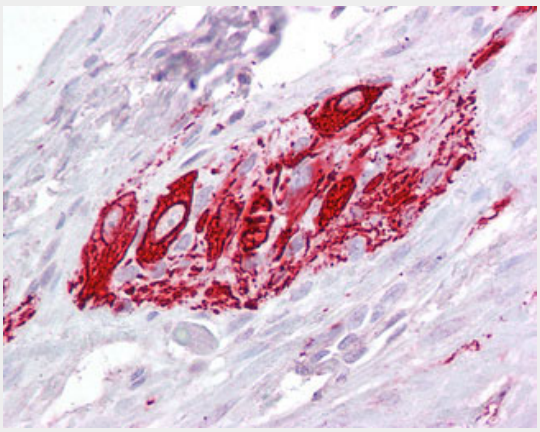
ABRI / ITM2B Antibody (Internal) - Protein Information

Name ITM2B

Synonyms BRI, BRI2

Function

ITM2B antibody (1 ug/ml) staining of Human Hippocampus lysate (35 ug protein/ml in RIPA buffer).



Anti-ITM2B antibody IHC of human small intestine, myenteric plexus.

ABRI / ITM2B Antibody (Internal) - Background

Plays a regulatory role in the processing of the beta- amyloid A4 precursor protein (APP) and acts as an inhibitor of the beta-amyloid peptide aggregation and fibrils deposition. Plays a role in the induction of neurite outgrowth. Functions as a protease inhibitor by blocking access of secretases to APP cleavage sites. Bri23 peptide prevents aggregation of APP beta-amyloid protein 42 peptide into toxic

Plays a regulatory role in the processing of the amyloid-beta A4 precursor protein (APP) and acts as an inhibitor of the amyloid-beta peptide aggregation and fibrils deposition. Plays a role in the induction of neurite outgrowth. Functions as a protease inhibitor by blocking access of secretases to APP cleavage sites. Bri23 peptide prevents aggregation of APP amyloid-beta protein 42 into toxic oligomers.

Cellular Location
[Integral membrane protein 2B]: Golgi apparatus membrane; Single-pass type II membrane protein Note=Immature BRI2 (imBRI2) is cleaved by furin in the Golgi into mBRI2 and a Bri23 peptide. mBRI2 is transported to the plasma membrane and Bri23 peptide is secreted [Bri23 peptide]: Secreted. Note=Detected in the cerebral spinal fluid (CSF).

Tissue Location
Ubiquitous. Expressed in brain.

Volume
50 µl

ABRI / ITM2B Antibody (Internal) - 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

oligomers.

ABRI / ITM2B Antibody (Internal) - References

Vidal R.,et al.Nature 399:776-781(1999).
Vidal R.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:4920-4925(2000).
Ren S.,et al.Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
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