

Rabbit ITM2B Polyclonal Antibody | anti-ITM2B antibody

ITM2B Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284727	Rabbit	Mouse (Predicted Reactivity: Monkey)	Western Blot, Immunohistochemistry, ELISA

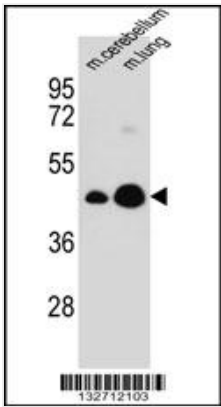
PRODUCT SYNONYMS

ITM2B; Polyclonal Antibody; ITM2B Antibody (C-term); 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; BRI; anti-ITM2B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ITM2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-247 amino acids from the C-terminal region of human ITM2B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	218-247
Sequence Length	160
Applicable Applications for anti-ITM2B antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
ITM2B Antibody (C-term) western blot analysis in mouse cerebellum,lung tissue lysates (35ug/lane).This demonstrates the ITM2B antibody detected the ITM2B protein (arrow).



IHC (Immunohistochemistry)
ITM2B Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ITM2B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-ITM2B antibody	Amyloid precursor proteins are processed by beta-secretase and gamma-secretase to produce beta-amyloid peptides which form the characteristic plaques of Alzheimer disease. This gene encodes a transmembrane protein which is processed at the C-terminus by furin or furin-like proteases to produce a small secreted peptide which inhibits the deposition of beta-amyloid. Mutations which result in extension of the C-terminal end of the encoded protein, thereby increasing the size of the secreted peptide, are associated with two neurodegenerative diseases, familial British dementia and familial Danish dementia.
Product Categories/Family for anti-ITM2B antibody	Neuroscience
References	Peng, S., et al. Biochem. Biophys. Res. Commun. 393(3):356-361(2010) Matsuda, S., et al. J. Biol. Chem. 284(23):15815-15825(2009) Matsuda, S., et al. Mol Neurodegener 4, 41 (2009) : Tsachaki, M., et al. Biotechnol J 3(12):1548-1554(2008) Kim, J., et al. J. Neurosci. 28(23):6030-6036(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11527402
NCBI GeneID	9445
NCBI Accession #	NP_068839.1
NCBI GenBank Nucleotide #	NM_021999.4
UniProt Accession #	Q9Y287; Q5W0A3; Q96B24; Q9NYH1
Molecular Weight	30338
NCBI Official Full Name	integral membrane protein 2B
NCBI Official Synonym Full Names	integral membrane protein 2B
NCBI Official Symbol	ITM2B
NCBI Official Synonym Symbols	BRI; FBD; ABRI; BRI2; E25B; E3-16; RDGCA; imBRI2; BRICD2B

NCBI Protein Information	integral membrane protein 2B
UniProt Protein Name	Integral membrane protein 2B
UniProt Gene Name	ITM2B
UniProt Synonym Gene Names	BRI; BRI2; imBRI2; Bri; mBRI2; BRI2 ICD; Bri2-23
UniProt Entry Name	ITM2B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/itm2b-antibody-western-blot-immunohistochemistry-elisa/284727>