

Mouse ITM2B Monoclonal Antibody | anti-ITM2B antibody

ITM2B antibody

CATALOG # AAA106915	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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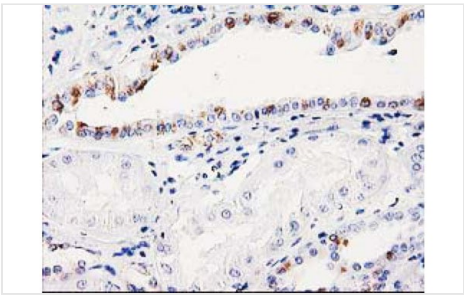
PRODUCT SYNONYMS

ITM2B; Monoclonal Antibody; ITM2B antibody; Monoclonal ITM2B; Anti-ITM2B; Integral membrane protein 2B; BRI; E25B; Transmembrane protein BRI; ITMB 2; ITMB-2; anti-ITM2B antibody

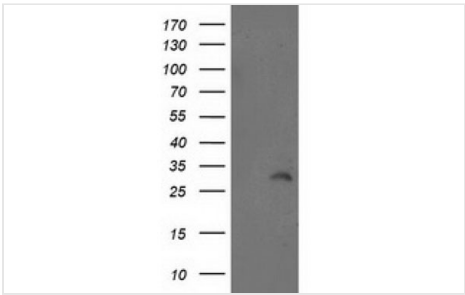
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1C11
Purity/Purification	ITM2B antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	266
Applicable Applications for anti-ITM2B antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	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.
Cross-Reactivity	Human
Immunogen	ITM2B antibody was raised in mouse using a full length recombinant protein of human ITM2B (NP_068839) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of ITM2B protein in paraffin embedded Human Kidney tissue using ITM2B antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ITM2B protein (Right) or empty vector (Left) detected with ITM2B antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ITM2B antibody	Mouse monoclonal ITM2B antibody
Product Categories/Family for anti-ITM2B antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	11527402
NCBI GeneID	9445
NCBI Accession #	NP_068839
NCBI GenBank Nucleotide #	NM_021999.4
UniProt Accession #	Q9Y287; Q5W0A3; Q96B24; Q9NYH1
Molecular Weight	18,283 Da
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.