abcam

Product datasheet

Anti-ITM2B antibody [OTI1C11] ab119044

画像数 4

製品の概要

製品名	Anti-ITM2B antibody [OTI1C11]
製品の詳細	Mouse monoclonal [OTI1C11] to ITM2B
由来種	Mouse
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, IHC-P
種交差性	**交差種:** Human
免疫原	Recombinant full length Human ITM2B produced in HEK293T cells (NP_068839).
ポジティブ・コントロール	WB: HEK293T cell lysate transfected with pCMV6-ENTRY ITM2B cDNA IHC: Human kidney tissue Flow Cyt (Intra): HeLa and Jurkat cells.
特記事項	Dilute in PBS (pH7.3) before use. The clone number has been updated from 1C11 to OTI1C11, both clone numbers name the same clone. This product was changed from ascites to tissue culture supernatant on 5th September 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide

	Constituents: 1% BSA, 50% Glycerol, PBS
精製度	Tissue culture supernatant
特記事項（精製）	Purified from TCS.
ポリ/モノ	モノクローナル
クローン名	OTI1C11
アイソタイプ	IgG2a

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab119044の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

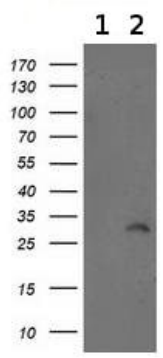
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB		1/2000. Predicted molecular weight: 30 kDa.
IHC-P		1/150.

ターゲット情報

機能	Functions as a protease inhibitor. Plays a role in APP processing regulating the physiological production of the beta amyloid peptide. Restricts docking of gamma-secretase to APP and access of alpha- and beta-secretase to their cleavage APP sequence.
組織特異性	Expressed in brain and in other tissues.
関連疾患	Defects in ITM2B are a cause of cerebral amyloid angiopathy ITM2B-related type 1 (CAA-ITM2B1) [MIM:176500]. A disorder characterized by amyloid deposition in the walls of cerebral blood vessels and neurodegeneration in the central nervous system. Cerebral amyloid angiopathy, non-neuritic and perivascular plaques and neurofibrillary tangles are the predominant pathological lesions. Clinical features include progressive mental deterioration, spasticity and muscular rigidity. Defects in ITM2B are a cause of cerebral amyloid angiopathy ITM2B-related type 2 (CAA-ITM2B2) [MIM:117300]; also known as heredopathia ophthalmo-oto-encephalica. A disorder characterized by amyloid deposition in the walls of the blood vessels of the cerebrum, choroid plexus, cerebellum, spinal cord and retina. Plaques and neurofibrillary tangles are observed in the hippocampus. Clinical features include progressive ataxia, dementia, cataracts and deafness.
配列類似性	Belongs to the ITM2 family. Contains 1 BRICHOS domain.
翻訳後修飾	The C-terminal part of the ectodomain is processed by furin and related proteases producing a secreted peptide of 4 to 5 kDa. For the ABRI and ADAN variants the C-terminal secreted peptide is larger and may produce amyloid fibrils responsible for neuronal dysfunction and dementia. The remaining part of the ectodomain containing the BRICHOS domain is cleaved by ADAM10 and is secreted as a peptide of 25 kDa. The membrane-bound N-terminal fragment (NTF) of 22 kDa is

	further proteolytically processed by SPPL2A and SPPL2B through regulated intramembrane proteolysis producing a secreted peptide (BRI2C) and an intracellular domain (ICD) released in the cytosol.
細胞内局在	Golgi apparatus membrane. Cell membrane.

画像



Western blot - Anti-ITM2B antibody [OTI1C11] (ab119044)

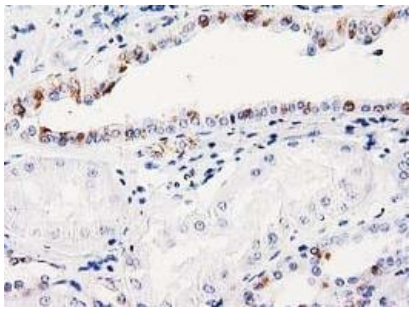
All lanes : Anti-ITM2B antibody [OTI1C11] (ab119044) at 1/2000 dilution

Lane 1 : HEK293T lysate transfected with pCMV6-ENTRY control cDNA
Lane 2 : HEK293T lysate transfected with pCMV6-ENTRY ITM2B cDNA

Lysates/proteins at 5 µg per lane.

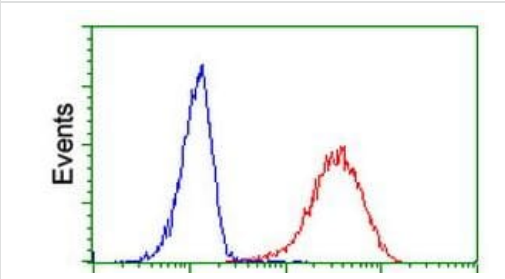
Predicted band size: 30 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC202377)



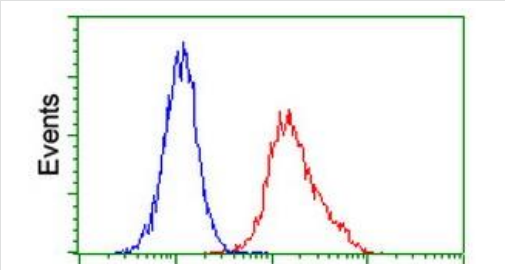
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ITM2B antibody [OTI1C11] (ab119044)

ab119044, at 1/150 dilution, staining ITM2B in paraffin embedded Human kidney by Immunohistochemistry.



Flow Cytometry (Intracellular) - Anti-ITM2B antibody [OTI1C11] (ab119044)

ab119044 at 1/100 dilution staining ITM2B in HeLa cells by Flow cytometry (Intracellular) (Red) compared to a nonspecific negative control antibody (Blue).



Flow Cytometry (Intracellular) - Anti-ITM2B antibody [OTI1C11] (ab119044)

ab119044 at 1/100 dilution staining ITM2B in Jurkat cells by Flow cytometry (Intracellular) (Red) compared to a nonspecific negative control antibody (Blue).

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