

Product datasheet

Anti-alpha+beta SNAP antibody ab50483

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製品の概要

製品名	Anti-alpha+beta SNAP antibody
製品の詳細	Rabbit polyclonal to alpha+beta SNAP
由来種	Rabbit
アプリケーション	適用あり: IHC-FoFr, WB
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Cow, Xenopus laevis, Pufferfish, Zebrafish, Cynomolgus monkey



免疫原

Synthetic peptide:

KAIAHYEQSADYYKGEES

conjugated to KLH, corresponding to internal sequence amino acids 140-157 of Mouse alpha+beta SNAP

Run BLAST with

Run BLAST with

ポジティブ・コントロール

Cytosolic fraction S1 of rat and mouse brain

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
パッファー	Preservative: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
精製度	IgG fraction
特記事項(精製)	Whole antiserum was fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum that is essentially free of other rabbit serum proteins.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

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ab50483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
IHC-FoFr		
WB		

追加情報

IHC-FoFr: 1/75 (PMID 19279043).
WB: 1/1000 - 1/2000. Predicted molecular weight: 38 kDa.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

関連性

Alpha, beta and gamma SNAPS, also known as soluble NSF attachment proteins, have apparent molecular weights on SDS PAGE of 35, 36 and 39 kDa, respectively. SNAP proteins mediate the association of NSF to membranes during vesicle fusion reaction, and play a prominent role in synaptic vesicle fusion. In addition, beta SNAP interacts with synaptotagmin and may be involved in calcium regulated exocytosis. SNAP was identified as being required for vesicle fusion in intra Golgi transport reaction *in vitro*. Alpha SNAP mediates the association of NSF to membranes during vesicle fusion reaction, and plays a prominent role and in synaptic vesicle fusion. Together with synaptotagmin and NSF, alpha SNAP modulates the interaction of SNAP25, VAMP, and syntaxin in, an ATP dependent manner, to form a complex with a sedimentation coefficient of 20 S. This complex may represent an intermediate involved in synaptic vesicle docking and fusion.

細胞内局在

Cytoplasmic peripheral membrane protein.

画像



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-alpha+beta SNAP antibody (ab50483)

Image from Yu Y et al, Mbl Cell Proteomics. 2009 Jul;8(7):1490-500. Epub 2009 Mar 11, Fig 6. DOI 10.1074/mcp.M800273-MCP200

ab50483 at a 1/500 dilution staining alpha+beta SNAP in murine brain tissue by Immunohistochemistry (PFA perfusion fixed frozen sections).

Mice were euthanized, and the brains were exposed and removed from the body. Brain tissue was fixed in 4% polyformaldehyde. Fixed brain tissues were cut into transverse sections 5 μ m thick. The sections were collected on poly-L-lysine-coated slides and air-dried. After blocking, sections were incubated with ab50483 in PBS for 2 hours at 37 °C in a humidified chamber. After washing, slides were incubated with the secondary antibody, a rabbit anti-goat IgG conjugated with horseradish peroxidase for 1 hour at 37 °C in a humidity box.

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