

Product datasheet

Anti-Synapsin I (phospho S605) antibody ab111687

画像数 2

製品の概要

製品名	Anti-Synapsin I (phospho S605) antibody
製品の詳細	Rabbit polyclonal to Synapsin I (phospho S605)
由来種	Rabbit
特異性	ab111687 detects endogenous levels of Synapsin I only when phosphorylated at serine 605.
アプリケーション	適用あり: IHC-P, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic phosphopeptide derived from Human Synapsin I around the phosphorylation site of serine 605 (Q-A-S ^P -Q-A).
ポジティブ・コントロール	COS7 cells; Human brain tissue.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.88% Sodium chloride Note: PBS (without Mg ²⁺ and Ca ²⁺)
精製度	Immunogen affinity purified
特記事項(精製)	ab111687 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
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

Our [Abpromise guarantee](#) covers the use of **ab111687** in the following tested applications.

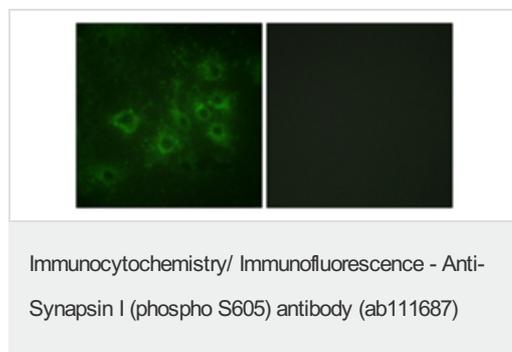
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/500.

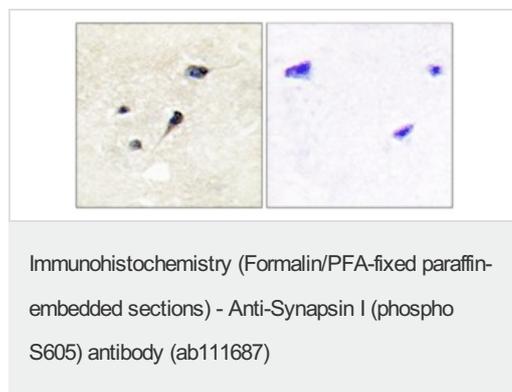
ターゲット情報

機能	Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level.
関連疾患	Defects in SYN1 are a cause of epilepsy X-linked with variable learning disabilities and behavior disorders [MIM:300491]. XELBD is characterized by variable combinations of epilepsy, learning difficulties, macrocephaly, and aggressive behavior.
配列類似性	Belongs to the synapsin family.
翻訳後修飾	Substrate of at least four different protein kinases. It is probable that phosphorylation plays a role in the regulation of synapsin-1 in the nerve terminal. Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Cell junction > synapse. Golgi apparatus.

画像



ab111687 at 1/100 dilution staining Synapsin I in COS7 cells by Immunofluorescence. The picture on the right is treated with the synthesized phosphopeptide.



ab111687 at 1/50 dilution staining Synapsin I in paraffin-embedded Human Brain tissue by Immunohistochemistry. The image on the right is treated with the synthesized peptide.

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