

Anti-SNAP25 (Ser187) Antibody

Our Anti-SNAP25 (Ser187) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is
Catalog # AN1556

Product Information

Application	WB
Primary Accession	P60881
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	23315

Additional Information

Gene ID	25012
Other Names	bA416N4.2 antibody, Bdr antibody, CMS18 antibody, dJ1068F16.2 antibody, FLJ23079 antibody, HGNC:11132 antibody, MGC105414 antibody, MGC139754 antibody, Resistance to inhibitors of cholinesterase 4 homolog antibody, RIC 4 antibody, RIC4 antibody, SEC 9 antibody, SEC9 antibody, SNAP 25 antibody, SNAP antibody, SNAP-25 antibody, SNAP-25B antibody, SNAP25 antibody, SNP 25 antibody, SNP25 antibody, SNP25_HUMAN antibody, sp antibody, SUP antibody, Super protein antibody, Synaptosomal associated 25 kDa protein antibody, Synaptosomal associated protein antibody, Synaptosomal associated protein 25 antibody, Synaptosomal associated protein 25kDa antibody, Synaptosomal-associated 25 kDa protein antibody, Synaptosomal-associated protein 25 antibody, Synaptosomal-associated protein 25-KD antibody
Target/Specificity	SNAP25 (Synaptosomal associated protein of 25 kDa) is a presynaptic plasma membrane protein that is widely distributed throughout the brain and involved in the regulation of neurotransmitter release. Decreased levels of SNAP25 have been found in the brains of patients with Down Syndrome and Alzheimer's Disease (Greber et al., 1999). In addition, a significant reduction in the hippocampal expression of SNAP25 has also been found in patients with Schizophrenia (Fatemi et al., 2001). Increasing evidence suggests that SNAP-25 also modulates various ion channels, including voltage gated calcium channels (VGCCs) (Pozzi et al., 2008). Activation of PKC results in the phosphorylation of SNAP-25 on Ser-187 is believed to cause inhibition of VGCC (Pozzi et al., 2008). Since Ser-187 phosphorylation is transiently induced by neuronal activity, SNAP25 creates a negative feedback mechanism for controlling neuronal excitability (Pozzi et al., 2008).
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-SNAP25 (Ser187) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

Background

SNAP25 (Synaptosomal associated protein of 25 kDa) is a presynaptic plasma membrane protein that is widely distributed throughout the brain and involved in the regulation of neurotransmitter release. Decreased levels of SNAP25 have been found in the brains of patients with Down Syndrome and Alzheimer's Disease (Greber et al., 1999). In addition, a significant reduction in the hippocampal expression of SNAP25 has also been found in patients with Schizophrenia (Fatemi et al., 2001). Increasing evidence suggests that SNAP-25 also modulates various ion channels, including voltage gated calcium channels (VGCCs) (Pozzi et al., 2008). Activation of PKC results in the phosphorylation of SNAP-25 on Ser-187 is believed to cause inhibition of VGCC (Pozzi et al., 2008). Since Ser-187 phosphorylation is transiently induced by neuronal activity, SNAP25 creates a negative feedback mechanism for controlling neuronal excitability (Pozzi et al., 2008).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.