

KD-Validated Anti-Syntaxin binding protein 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1286

Product Information

Application	WB, FC, ICC
Primary Accession	P61764
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2570
Calculated MW	67569
Gene Name	STXBP1
Aliases	STXBP1; Syntaxin Binding Protein 1; MUNC18-1; Syntaxin-Binding Protein 1; UNC18; Protein Unc-18 Homolog 1; Protein Unc-18 Homolog A; Unc-18A; Unc18-1; HUNC18; N-Sec1; RBSEC1; NSEC1; P67; Neuronal SEC1; RbSec1; UNC18A; NSec1; DEE4
Immunogen	A synthesized peptide derived from human STXBP1

Additional Information

Gene ID	6812
Other Names	Syntaxin-binding protein 1, MUNC18-1, N-Sec1, Protein unc-18 homolog 1, Unc18-1, Protein unc-18 homolog A, Unc-18A, p67, STXBP1, UNC18A

Protein Information

Name	STXBP1
Synonyms	UNC18A
Function	Participates in the regulation of synaptic vesicle docking and fusion through interaction with GTP-binding proteins (By similarity). Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Can interact with syntaxins 1, 2, and 3 but not syntaxin 4. Involved in the release of neurotransmitters from neurons through interacting with SNARE complex component STX1A and mediating the assembly of the SNARE complex at synaptic membranes (By similarity). May play a role in determining the specificity of intracellular fusion reactions.
Cellular Location	Cytoplasm, cytosol. Membrane; Peripheral membrane protein
Tissue Location	Brain and spinal cord. Highly enriched in axons.

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