

Anti-Unc18-1 antibody



Description	Rabbit polyclonal to Unc18-1.
Model	STJ96187
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human Unc18-1 around the non-phosphorylation site of S313.
Immunogen Region	250-330 aa
Gene ID	6812
Gene Symbol	STXBP1
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	Unc18-1 Polyclonal Antibody detects endogenous levels of Unc18-1 protein.
Tissue Specificity	Brain and spinal cord. Highly enriched in axons.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Syntaxin-binding protein 1 MUNC18-1 N-Sec1 Protein unc-18 homolog 1 Unc18-1 Protein unc-18 homolog A Unc-18A p67
Molecular Weight	65 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11444 OMIM:602926
Alternative Names	Syntaxin-binding protein 1 MUNC18-1 N-Sec1 Protein unc-18 homolog 1 Unc18-1 Protein unc-18 homolog A Unc-18A p67
Function	May participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. 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. May play a role in determining the specificity of intracellular fusion reactions.
Cellular Localization	Cytoplasm, cytosol Membrane. Peripheral membrane protein.

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