

Rabbit MUNC-18a Polyclonal Antibody | anti-MUNC-18a antibody

MUNC-18a Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329554	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)	ELISA, Western Blot

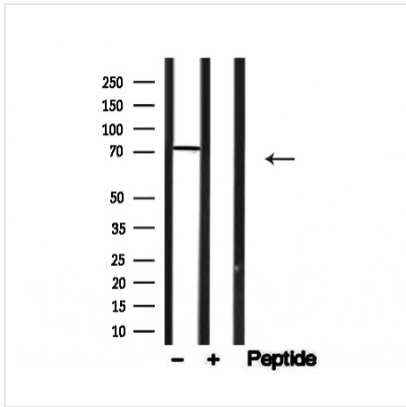
PRODUCT SYNONYMS

MUNC-18a; Polyclonal Antibody; MUNC-18a Antibody; FLJ37475; Munc 18 1; Munc 18a; MUNC18 1; N-Sec1; Neuronal SEC1; NSec1; p67; Protein unc-18 homolog 1; Protein unc-18 homolog A; Rb sec1; RBSEC1; STXB1_HUMAN; STXBP1; Syntaxin binding protein 1; Syntaxin-binding protein 1; Unc 18 homolog; Unc 18A; Unc-18A; Unc18 1; UNC18; Unc18-1; anti-MUNC-18a antibody

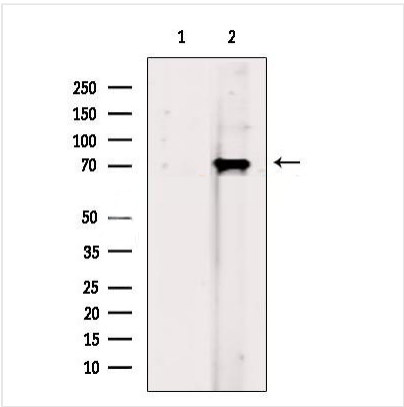
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	MUNC-18a Antibody detects endogenous levels of total MUNC-18a. Tissue Specificity: Brain and spinal cord. Highly enriched in axons.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MUNC-18a antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MUNC-18a, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with SYTL4 (By similarity). Interacts with STX1A. Interacts with alpha-synuclein/SNCA; this interaction controls SNCA self-replicating aggregation. Interacts with RAB3A; this interaction promotes RAB3A dissociation from the vesicle membrane (By similarity). Interacts with CABP5 (By similarity).
Similarity	Belongs to the STXBP/unc-18/SEC1 family.
Subcellular Location	Cytoplasm>Cytosol. Membrane>Peripheral membrane protein.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of MUNC-18a in lysates of Mouse brain, using MUNC-18a Antibody(AF4751).



WB (Western Blot)
Western blot analysis of extracts from A2780 cells, using MUNC-18a Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MUNC-18a antibody	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. May play a role in determining the specificity of intracellular fusion reactions.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73760415
NCBI GeneID	6812
NCBI Accession #	NP_001027392.1
NCBI GenBank Nucleotide #	NM_001032221.3
UniProt Accession #	P61764; Q28208; Q62759; Q64320; Q96TG8; B1AM97
Molecular Weight	67,569 Da
NCBI Official Full Name	syntaxin-binding protein 1 isoform b
NCBI Official Synonym Full Names	syntaxin binding protein 1
NCBI Official Symbol	STXBP1
NCBI Official Synonym Symbols	P67; NSEC1; UNC18; RBSEC1; MUNC18-1
NCBI Protein Information	syntaxin-binding protein 1; N-Sec1; unc-18A; unc18-1; neuronal SEC1; protein unc-18 homolog 1; protein unc-18 homolog A
UniProt Protein Name	Syntaxin-binding protein 1
UniProt Gene Name	STXBP1
UniProt Synonym Gene Names	UNC18A; Unc18-1; Unc-18A
UniProt Entry Name	STXB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.