

|                       |  |
|-----------------------|--|
| <b>Cat. No:</b>       | ABN19630   |
| <b>Conjugate:</b>     | Unconjugated   |
| <b>Size:</b>          | 100µL  |
| <b>Clone:</b>         | Polyclonal   |
| <b>Concentration:</b> | 1mg/ml   |
| <b>Host:</b>          | Rabbit   |
| <b>Isotype:</b>       | IgG  |
| <b>Immunogen:</b>     | The antiserum was produced against synthesized peptide derived from human MUNC-18a. AA range:279-328   |
| <b>Reactivity:</b>    | Human,Mouse,Rat  |
| <b>Applications:</b>  | IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000  |
| <b>Purification:</b>  | Affinity purification  |
| <b>Synonyms:</b>      | STXBP1; UNC18A; Syntaxin-binding protein 1; MUNC18-1; N-Sec1; Protein unc-18 homolog 1; Unc18-1; Protein unc-18 homolog A; Unc-18A; p67  |
| <b>Background:</b>    | <p>This gene encodes a syntaxin-binding protein. The encoded protein appears to play a role in release of neurotransmitters via regulation of syntaxin, a transmembrane attachment protein receptor. Mutations in this gene have been associated with infantile epileptic encephalopathy-4. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010],disease:Defects in STXBP1 are the cause of early infantile epileptic encephalopathy type 4 (EIEE4) [MIM:612164]. Affected individuals have neonatal or infantile onset of seizures, suppression-burst pattern on EEG, profound mental retardation, and MRI evidence of hypomyelination.,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.,similarity:Belongs to the STXBP/unc-18/SEC1 family.,subunit:Binds SYTL4 and STX1A.,tissue specificity:Brain and spinal cord. Highly enriched in axons.,</p> |
| <b>Form:</b>          | Liquid   |
| <b>Buffer:</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.   |
| <b>Storage:</b>       | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.   |

**For Research use only  
IMMUNOLOGICAL SCIENCES**