Datasheet for ABIN7602229

anti-SH3G2 antibody (AA 65-292)

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Overview

Quantity:	100 µg
Target:	SH3G2
Binding Specificity:	AA 65-292
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SH3G2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SH3GL2 Antibody Picoband®
Immunogen:	E.coli-derived human SH3GL2 recombinant protein (Position: R65-Q292).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SH3GL2 Antibody Picoband® (ABIN7602229). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SH3G2
Alternative Name:	SH3GL2 (SH3G2 Products)
Background:	Synonyms: POU domain, class 4, transcription factor 1 Tissue Specificity: Expressed in the brain and the retina. Present in the developing brain, spinal cord and eye. Background: Endophilin-A1 is a protein that in humans is encoded by the SH3GL2 gene. Endophilin proteins are part of a large family of Bin/Amphiphysin/Rvs (BAR) domain proteins that are involved in cell membrane remodeling. The endophilins are encoded by five genes, which produce endophilin A 1-3 and B 1-2. Endophilins are involved in many cellular mechanisms, such as synaptic vesicle recycling, receptor trafficking, and membrane remodeling processes. Research studies indicate that endophilin 1 (endophilin A1, SH3GL2) can induce different membrane shapes and participate in the morphogenesis of dendritic spines. Endophilin 1 is also involved in regulating blood brain barrier permeability via the EGFR-JNK pathway.
Molecular Weight:	41 kDa
Gene ID:	6456
UniProt:	Q99962
Pathways:	Neurotrophin Signaling Pathway, EGFR Downregulation

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gallop, J. L., Butler, P. J. G., McMahon, H. T. Endophilin and CtBP/BARS are not acyl transferases in endocytosis or Golgi fission. Nature 438: 675-678, 2005. 2. Giachino, C., Lantelme, E., Lanzetti, L., Saccone, S., Della Valle, G., Migone, N. A novel SH3-containing human gene family preferentially expressed in the central nervous system. Genomics 41: 427-434, 1997. 3. Howard, L., Nelson, K. K., Maciewicz, R. A., Blobel, C. P. Interaction of the metalloprotease disintegrins MDC9 and MDC15 with two SH3 domain-containing proteins, endophilin I and SH3PX1. J. Biol. Chem. 274: 31693-31699, 1999.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.