Datasheet for ABIN7599713

anti-BBS1 antibody (AA 11-275)

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Overview

Quantity:	100 µg
Target:	BBS1
Binding Specificity:	AA 11-275
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BBS1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Anti-BBS1 Antibody Picoband®
Immunogen:	E.coli-derived human ATF5 recombinant protein (Position: L11-R275). Human ATF5 shares 86.5% and 87.2% amino acid (aa) sequence identity with mouse and rat ATF5, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-BBS1 Antibody Picoband® (ABIN7599713). Tested in WB, ELISA 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:	BBS1
Alternative Name:	BBS1 (BBS1 Products)
Background:	Synonyms: BBS1, BBS2L2, Bardet-Biedl syndrome 1 protein, BBS2-like protein 2 Background: Bardet-Biedl syndrome 1 protein is a protein that in humans is encoded by the BBS1 gene. Mutations in this gene have been observed in patients with the major form (type 1) of Bardet-Biedl syndrome. The encoded protein may play a role in eye, limb, cardiac and reproductive system development.
Molecular Weight:	65 kDa
Gene ID:	582
Pathways:	Hedgehog Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, Human 1. Badano, J. L., Ansley, S. J., Leitch, C. C., Lewis, R. A., Lupski, J. R., Katsanis, N. Identification of a novel Bardet-Biedl syndrome protein, BBS7, that shares structural features with BBS1 and BBS2. Am. J. Hum. Genet. 72: 650-658, 2003. 2. Badano, J. L., Kim, J. C., Hoskins, B. E., Lewis, R. A., Ansley, S. J., Cutler, D. J., Castellan, C., Beales, P. L., Leroux, M. R., Katsanis, N. Heterozygous mutations in BBS1, BBS2 and BBS6 have a potential epistatic effect on Bardet-Biedl patients with two mutations at a second BBS locus. Hum. Molec. Genet. 12: 1651-1659, 2003. 3. Beales, P. L., Badano, J. L., Ross, A. J., Ansley, S. J., Hoskins, B. E., Kirsten, B., Mein, C. A., Froguel, P., Scambler, P. J., Lewis, R. A., Lupski, J. R., Katsanis, N. Genetic interaction of BBS1 mutations with alleles at other BBS loci can result in non-mendelian Bardet-Biedl syndrome. Am. J. Hum. Genet. 72: 1187-1199, 2003.
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.

Handling

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.