

Datasheet for ABIN7601576
anti-STBD1 antibody (AA 39-328)



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Overview

Quantity:	100 µg
Target:	STBD1
Binding Specificity:	AA 39-328
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STBD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-STBD1 Antibody Picoband®
Immunogen:	E.coli-derived human STBD1 recombinant protein (Position: E39-N328).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-STBD1 Antibody Picoband® (ABIN7601576). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. 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:	STBD1
Alternative Name:	STBD1 (STBD1 Products)
Background:	<p>Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3,</p> <p>Tissue Specificity: Ubiquitous. Highly expressed in brain. .</p> <p>Background: STBD1 may have the capability to bind to carbohydrates. It functions as a glycogen receptor that tethers glycogen to autophagic membranes for delivery and breakdown in lysosomes. STBD1 appears molecular mass of 35-38 kDa band in mouse/rat tissues and 38-43 kDa in human tissue.</p>
Molecular Weight:	39 kDa
Gene ID:	8987
UniProt:	O95210

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry(Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Bouju, S., Lignon, M.-F., Pietu, G., Le Cunff, M., Leger, J.-J., Auffray, C., Dechesne, C. A. Molecular cloning and functional expression of a novel human gene encoding two 41-43 kDa skeletal muscle internal membrane proteins. Biochem. J. 335: 549-556, 1998. 2. Jiang, S., Heller, B., Tagliabracci, V. S., Zhai, L., Irimia, J. M., DePaoli-Roach, A. A., Wells, C. D., Skurat, A. V., Roach, P. J. Starch binding domain-containing protein 1/Genethonin 1 is a novel participant in glycogen metabolism. J. Biol. Chem. 285: 34960-34971, 2010. Note: Erratum: J. Biol. Chem. 286: 39673 only, 2011. 3. Pietu, G., Alibert, V., Guichard, B., Lamy, F., Bois, E., Leroy, R., Mariage-Samson, R., Houlgatte, P., Soularue, P., Auffray, C. Novel gene transcripts preferentially expressed in human muscles revealed by quantitative hybridization of a high density cDNA array. Genome Res. 6: 492-503, 1996.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

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 Na ₂ HPO ₄ .
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.