Datasheet for ABIN7602575

anti-SMCR8 antibody (AA 86-776)

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Overview

Quantity:	100 µg
Target:	SMCR8
Binding Specificity:	AA 86-776
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMCR8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SMCR8 Antibody Picoband®
Immunogen:	E.coli-derived human SMCR8 recombinant protein (Position: D86-D776).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-SMCR8 Antibody Picoband® (ABIN7602575). Tested in ELISA, Flow Cytometry, 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:	SMCR8
Alternative Name:	SMCR8 (SMCR8 Products)
Background:	Synonyms: RNA-binding protein 47,RNA-binding motif protein 47,RBM47, Tissue Specificity: Abundantly expressed in tonsil, lymph node, and trachea, strong expression in prostate, lower expression in thyroid, stomach, and colon. . Background: Enables protein kinase binding activity and protein kinase inhibitor activity. Contributes to guanyl-nucleotide exchange factor activity. Involved in negative regulation of macromolecule metabolic process, regulation of TOR signaling, and regulation of macroautophagy. Located in chromatin, cytoplasm, and nucleoplasm. Part of guanyl-nucleotide exchange factor complex. Colocalizes with Atg1/ULK1 kinase complex.
Molecular Weight:	140 kDa
Gene ID:	140775

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Amick, J., Roczniak-Ferguson, A., Ferguson, S. M. C9orf72 binds SMCR8, localizes to lysosomes, and regulates mTORC1 signaling. Molec. Biol. Cell 27: 3040-3051, 2016. 2. Bi, W., Yan, J., Stankiewicz, P., Park, S.-S., Walz, K., Boerkoel, C. F., Potocki, L., Shaffer, L. G., Devriendt, K., Nowaczyk, M. J. M., Inoue, K., Lupski, J. R. Genes in a refined Smith-Magenis syndrome critical deletion interval on chromosome 17p11.2 and the syntenic region of the mouse. Genome Res. 12: 713-728, 2002. 3. Jung, J., Nayak, A., Schaeffer, V., Starzetz, T., Kirsch, A. K., Muller, S., Dikic, I., Mittelbronn, M., Behrends, C. Multiplex image-based autophagy RNAi screening identifies SMCR8 as ULK1 kinase activity and gene expression regulator. eLife 6: e23063, 2017.
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

Handling

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.