Datasheet for ABIN7599856

anti-SAMD9L antibody (AA 1223-1557)

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Overview

Quantity:	100 µg
Target:	SAMD9L
Binding Specificity:	AA 1223-1557
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SAMD9L antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Anti-SAMD9L Antibody Picoband®
Immunogen:	E.coli-derived human SAMD9L recombinant protein (Position: L1223-R1557). Human SAMD9L shares 69.3% amino acid (aa) sequence identity with mouse SAMD9L, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-SAMD9L Antibody Picoband® (ABIN7600002). Tested in WB, IHC, IF, Flow Cytometry, ELISA 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	SAMD9L
Alternative Name:	SAMD9L (SAMD9L Products)
Background:	Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody Tissue Specificity: Expressed in all tissues. Background: This gene encodes a cytoplasmic protein that acts as a tumor suppressor but also plays a key role in cell proliferation and the innate immune response to viral infection. The encoded protein contains an N-terminal sterile alpha motif domain. Naturally occurring mutations in this gene are associated with myeloid disorders such as juvenile myelomonocytic leukemia, acute myeloid leukemia, and myelodysplastic syndrome. Naturally occurring mutations are also associated with hepatitis-B related hepatocellular carcinoma, normophosphatemic familial tumoral calcinosis, and ataxia-pancytopenia syndrome.
Molecular Weight:	200 kDa
Gene ID:	219285

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry, 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

Application Details

	1. Asou, H., Matsui, H., Ozaki, Y., Nagamachi, A., Nakamura, M., Aki, D., Inaba, T. Identification of a common microdeletion cluster in 7q21.3 subband among patients with myeloid leukemia and myelodysplastic syndrome. Biochem. Biophys. Res. Commun. 383: 245-251, 2009. 2. Chen, D.-H., Below, J. E., Shimamura, A., Keel, S. B., Matsushita, M., Wolff, J., Sul, Y., Bonkowski, E., Castella, M., Taniguchi, T., Nickerson, D., Papayannopoulou, T., Bird, T. D., Raskind, W. H. Ataxia-pancytopenia syndrome is caused by missense mutations in SAMD9L. Am. J. Hum. Genet. 98: 1146-1158, 2016. 3. Corral-Juan, M., Casquero, P., Giraldo-Restrepo, N., Laurie, S., Martinez-Pineiro, A., Mateo-Montero, R. C., Ispierto, L., Vilas, D., Tolosa, E., Volpini, V., Alvarez-Ramo, R., Sanchez, I., Matilla-Duenas, A. New spinocerebellar ataxia subtype caused by SAMD9L mutation triggering mitochondrial dysregulation (SCA49). Brain Commun. 4: fcac030, 2022.
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.