

Datasheet for ABIN7601987
anti-LEMD3 antibody (AA 535-852)



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Overview

Quantity:	100 µg
Target:	LEMD3
Binding Specificity:	AA 535-852
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LEMD3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

Product Details

Purpose:	Anti-LEMD3 Antibody Picoband®
Immunogen:	E.coli-derived human LEMD3 recombinant protein (Position: H535-H852).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-LEMD3 Antibody Picoband® (ABIN7601987). Tested in ELISA, WB, Flow Cytometry 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:	LEMD3
Alternative Name:	LEMD3 (LEMD3 Products)
Background:	<p>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</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: LEM domain-containing protein 3 (LEMD3), also known as MAN1, is an integral protein in the inner nuclear membrane (INM) of the nuclear envelope. It is encoded by the LEMD3 gene[5] and was first identified after it was isolated from the serum of a patient with a collagen vascular disease. This locus encodes a LEM domain-containing protein. The encoded protein functions to antagonize transforming growth factor-beta signaling at the inner nuclear membrane. Two transcript variants encoding different isoforms have been found for this gene. Mutations in this gene have been associated with osteopoikilosis, Buschke-Ollendorff syndrome and melorheostosis.</p>
Molecular Weight:	120 kDa
Gene ID:	23592
UniProt:	Q9Y2U8

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 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. Butkus, C. E., Michels, V. V., Lindor, N. M., Cooney, W. P., III. Melorheostosis in a patient with familial osteopoikilosis. Am. J. Med. Genet. 72: 43-46, 1997. 2. Debeer, P., Pykels, E., Lammens, J., Devriendt, K., Fryns, J.-P. Melorheostosis in a family with autosomal dominant</p>
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Application Details

osteopoikilosis: report of a third family. Am. J. Med. Genet. 119A: 188-193, 2003. 3. Hellemans, J., Preobrazhenska, O., Willaert, A., Debeer, P., Verdonk, P. C. M., Costa, T., Janssens, K., Menten, B., Van Roy, N., Vermeulen, S. J. T., Savarirayan, R., Van Hul, W., and 9 others. Loss-of-function mutations in LEMD3 result in osteopoikilosis, Buschke-Ollendorff syndrome and melorheostosis. Nature Genet. 36: 1213-1218, 2004.

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.