

Datasheet for ABIN7599671
anti-LEPREL1 antibody (AA 106-494)



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Overview

Quantity:	100 µg
Target:	LEPREL1
Binding Specificity:	AA 106-494
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LEPREL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-P3H2 Antibody Picoband®
Immunogen:	E.coli-derived human P3H2 recombinant protein (Position: E106-R494). Human P3H2 shares 88.9% and 89.5% amino acid (aa) sequence identity with mouse and rat P3H2, respectively.
Characteristics:	Anti-P3H2 Antibody Picoband® (ABIN7599671). Tested in WB, IHC, ICC/IF, Flow Cytometry, 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:	LEPREL1
Alternative Name:	P3H2 (LEPREL1 Products)
Background:	This gene encodes a member of the prolyl 3-hydroxylase subfamily of 2-oxo-glutarate-dependent dioxygenases. These enzymes play a critical role in collagen chain assembly, stability and cross-linking by catalyzing post-translational 3-hydroxylation of proline residues. Mutations in this gene are associated with nonsyndromic severe myopia with cataract and vitreoretinal degeneration, and downregulation of this gene may play a role in breast cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Weight:	81 kDa
Gene ID:	55214

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunohistochemistry, 2-5 µg/mL, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10 ⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gross, M. B. Personal Communication. Baltimore, Md. 10/18/2011. 2. Guo, H., Tong, P., Peng, Y., Wang, T., Liu, Y., Chen, J., Li, Y., Tian, Q., Hu, Y., Zheng, Y., Xiao, L., Xiong, W., Pan, Q., Hu, Z., Xia, K. Homozygous loss-of-function mutation of the LEPREL1 gene causes severe non-syndromic high myopia with early-onset cataract. Clin. Genet. 86: 575-579, 2014. 3. Jarnum, S., Kjellman, C., Darabi, A., Nilsson, I., Edvardsen, K., Aman, P. LEPREL1, a novel ER and Golgi resident member of the Leprecan family. Biochem. Biophys. Res. Commun. 317: 342-351, 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 Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C

Handling

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.