Datasheet for ABIN7600763

anti-PLOD1 antibody (AA 23-640)

Go to Product page

Overview

Quantity:	100 µg
Target:	PLOD1
Binding Specificity:	AA 23-640
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLOD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-PLOD1 Antibody Picoband®
Immunogen:	E.coli-derived human PLOD1 recombinant protein (Position: K23-A640).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-PLOD1 Antibody Picoband® (ABIN7600763). Tested in ELISA, 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:	PLOD1
Alternative Name:	PLOD1 (PLOD1 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: Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of the endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VI have deficiencies in lysyl hydroxylase activity. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	84 kDa
Gene ID:	5351
UniProt:	Q02809

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Al-Gazali, L. I., Bakalinova, D., Varady, E., Scorer, J., Nork, M. Further delineation of Nevo syndrome. J. Med. Genet. 34: 366-370, 1997. 2. Brinckmann, J., Acil, Y., Feshchenko, S., Katzer, E., Brenner, R., Kulozik, A., Kugler, S. Ehlers-Danlos syndrome type VI: lysyl hydroxylase deficiency due to a novel point mutation (W612C). Arch. Derm. Res. 290: 181-186, 1998. 3. Dembure, P. P., Janko, A. R., Priest, J. H., Elsas, L. J. Ascorbate regulation of collagen

Application Details

	biosynthesis in Ehlers-Danlos syndrome, type VI. Metabolism 36: 687-691, 1987.
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.