Datasheet for ABIN7600413

anti-CDT1 antibody (AA 19-357)

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Overview

Quantity:	100 µg
Target:	CDT1
Binding Specificity:	AA 19-357
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDT1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Anti-DUP/CDT1 Antibody Picoband®
Immunogen:	E.coli-derived human DUP/CDT1 recombinant protein (Position: R19-L357).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-DUP/CDT1 Antibody Picoband® (ABIN7600413). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse. 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:	CDT1
Alternative Name:	CDT1 (CDT1 Products)
Background:	Synonyms: Lumican, Keratan sulfate proteoglycan lumican, KSPG lumican, LUM, LDC, SLRR2D, Tissue Specificity: Cornea and other tissues. Background: CDT1 (Chromatin licensing and DNA replication factor 1) is a protein that in humans is encoded by the CDT1 gene. The protein encoded by this gene is involved in the formation of the pre-replication complex that is necessary for DNA replication. The encoded protein can bind geminin, which prevents replication and may function to prevent this protein from initiating replication at inappropriate origins. Phosphorylation of this protein by cyclin A-dependent kinases results in degradation of the protein.
Molecular Weight:	60 kDa
Gene ID:	81620
UniProt:	Q9H211
Pathways:	MAPK Signaling, Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL/mL, Human, Mouse ELISA, 0.1-0.5 µg/mL/mL, Human 1. Bicknell, L. S., Bongers, E. M. H. F., Leitch, A., Brown, S., Schoots, J., Harley, M. E., Aftimos, S., Al-Aama, J. Y., Bober, M., Brown, P. A. J., van Bokhoven, H., Dean, J., and 15 others. Mutations in the pre-replication complex cause Meier-Gorlin syndrome. Nature Genet. 43: 356-359, 2011. 2. Bongers, E. M. H. F., Opitz, J. M., Fryer, A., Sarda, P., Hennekam, R. C. M., Hall, B. D., Superneau, D. W., Harbison, M., Poss, A., van Bokhoven, H., Hamel, B. C. J., Knoers, N. V. A. M. Meier-Gorlin syndrome: report of eight additional cases and review. Am. J. Med. Genet. 102: 115-124, 2001. 3. Feingold, M. Meier-Gorlin syndrome. (Letter) Am. J. Med. Genet. 109: 338 only, 2002.
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.