Datasheet for ABIN7600710

anti-MNT antibody (AA 222-582)

Go to Product page

Overview

Quantity:	100 µg
Target:	MNT
Binding Specificity:	AA 222-582
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MNT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-MNT Antibody Picoband®
Immunogen:	E.coli-derived human MNT recombinant protein (Position: R222-A582).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MNT Antibody Picoband® (ABIN7600710). Tested in ELISA, IF, ICC, 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:	MNT
Alternative Name:	MNT (MNT Products)
Background:	Synonyms: Max-binding protein MNT, Class D basic helix-loop-helix protein 3, bHLHd3, Myc antagonist MNT, Protein ROX, MNT, BHLHD3, ROX Tissue Specificity: Expressed in some normal epithelial tissues and in some carcinoma cell lines. Background: MNT (Max-binding protein MNT) is a Max-binding protein that is encoded by the MNT gene The Myc/Max/Mad network comprises a group of transcription factors that co-interact to regulate gene-specific transcriptional activation or repression. This gene encodes a protein member of the Myc/Max/Mad network. This protein has a basic-Helix-Loop-Helix-zipper domain (bHLHzip) with which it binds the canonical DNA sequence CANNTG, known as the E box, following heterodimerization with Max proteins. This protein is likely a transcriptional repressor and an antagonist of Myc-dependent transcriptional activation and cell growth. This protein represses transcription by binding to DNA binding proteins at its N-terminal Sin3-interaction domain.
Molecular Weight:	62 kDa
Gene ID:	4335
UniProt:	Q99583
Pathways:	Chromatin Binding, Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Hurlin, P. J., Queva, C., Eisenman, R. N. Mnt, a novel Max-interacting protein is coexpressed with Myc in proliferating cells and mediates repression at Myc binding sites. Genes Dev. 11: 44-58, 1997. 2. Lo Nigro, C., Venesio, T., Reymond, A., Meroni, G., Alberici, P., Cainarca, S., Enrico, F., Stack, M., Ledbetter, D. H., Liscia, D. S., Ballabio, A., Carrozzo, R. The human ROX gene: genomic structure and mutation analysis in human breast tumors. Genomics 49: 275-282, 1998. 3. Meroni, G., Reymond, A., Alcalay, M., Borsani, G., Tanigami, A., Tonlorenzi, R., Lo Nigro, C., Messali, S., Zollo, M., Ledbetter, D. H., Brent, R., Ballabio, A., Carrozzo, R. Rox, a novel bHLHZip protein expressed in quiescent cells that heterodimerizes with Max, binds a non-canonical E box and acts as a transcriptional repressor. EMBO J. 16: 2892-2906, 1997. Note: Erratum:

Application Details

	EMBO J. 16: 6055 only, 1997.
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.