

Rabbit anti-Human MNT Polyclonal Antibody | anti-MNT antibody

Anti-MNT Antibody Picoband

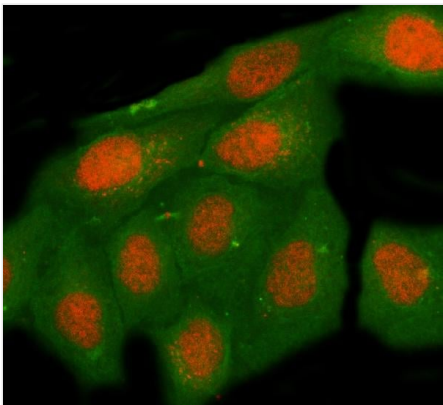
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127172	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

MNT; Polyclonal Antibody; Anti-MNT Antibody Picoband; Proteinase-activated receptor 1; MAX network transcriptional repressor; Max-binding protein MNT; Class D basic helix-loop-helix protein 3; bHLHd3; Myc antagonist MNT; Protein ROX; BHLHD3; ROX; anti-MNT antibody

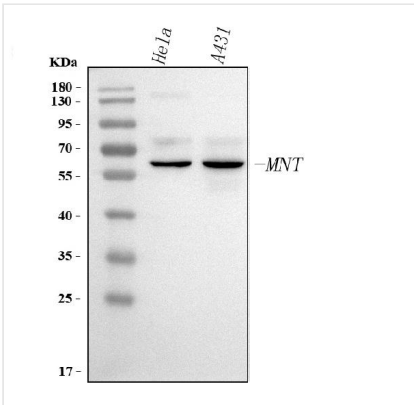
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in some normal epithelial tissues and in some carcinoma cell lines.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MNT antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human MNT recombinant protein (Position: R222-A582).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Binds DNA as a heterodimer with MAX and represses transcription. Binds to the canonical E box sequence 5'-CACGTG-3' and, with higher affinity, to 5'-CACGCG-3'.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IF (Immunofluorescence)

Figure 2. IF analysis of MNT using anti-MNT antibody (AAA127172) and anti-Beta Tubulin antibody (M01857-3).MNT was detected in immunocytochemical section of HELA cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-MNT Antibody (AAA127172) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of MNT using anti-MNT antibody (AAA127172).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HELA whole cell lysates,Lane 2: human A431 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MNT antigen affinity purified polyclonal antibody (#AAA127172) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MNT at approximately 62 kDa. The expected band size for MNT is at 62 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MNT antibody	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.
Product Categories/Family for anti-MNT antibody	Primary Antibodies; Cadherins; Cell Adhesion; Cytoskeleton/ECM; Neuroscience; Sensory System; Signal Transduction; Visual System
References	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: EMBO J. 16: 6055 only, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9945318
NCBI GeneID	4335
NCBI Accession #	NP_064706.1
NCBI GenBank Nucleotide #	NM_020310.2
UniProt Accession #	Q99583; Q1ED38; A8K6D1; D3DTI7
Molecular Weight	62,300 Da
NCBI Official Full Name	max-binding protein MNT
NCBI Official Synonym Full Names	MNT, MAX dimerization protein

NCBI Official Symbol	MNT
NCBI Official Synonym Symbols	ROX; MAD6; MXD6; bHLHd3
NCBI Protein Information	max-binding protein MNT; myc antagonist MNT; MAX binding protein; Max-interacting protein; class D basic helix-loop-helix protein 3
UniProt Protein Name	Max-binding protein MNT
UniProt Gene Name	MNT
UniProt Synonym Gene Names	BHLHD3; ROX; bHLHd3
UniProt Entry Name	MNT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mnt-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/127172>