

# MNAB (E-20): sc-165026

## BACKGROUND

MNAB (membrane-associated nucleic acid-binding protein), also known as RC3H2 (RING finger and CCCH-type zinc finger domain-containing protein 2) or RNF164 (RING finger protein 164), is a 1,191 amino acid protein that contains one RING-type zinc finger and a C3H1-type zinc finger. Existing as six alternatively spliced isoforms, MNAB is expressed in small intestine, ovary, spleen and testis, and localizes to the perinuclear space. MNAB binds DNA and is encoded by a gene that maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RC3H2 (human) mapping to 9q33.2; Rc3h2 (mouse) mapping to 2 B.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## SOURCE

MNAB (E-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of MNAB of human origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-165026 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-165026 X, 200 µg/0.1 ml.

## APPLICATIONS

MNAB (E-20) is recommended for detection of MNAB of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with Roquin.

MNAB (E-20) is also recommended for detection of MNAB in additional species, including canine and bovine.

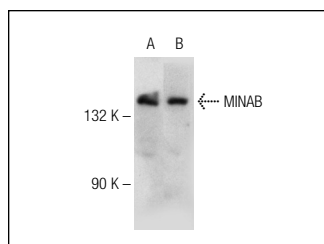
Suitable for use as control antibody for MNAB siRNA (h): sc-92465, MNAB siRNA (m): sc-149486, MNAB shRNA Plasmid (h): sc-92465-SH, MNAB shRNA Plasmid (m): sc-149486-SH, MNAB shRNA (h) Lentiviral Particles: sc-92465-V and MNAB shRNA (m) Lentiviral Particles: sc-149486-V.

MNAB (E-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of MNAB isoforms: 132/54/57/118/24/96 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203 or Raji whole cell lysate.

## DATA



MNAB (E-20): sc-165026. Western blot analysis of MNAB expression in K-562 (A) and Raji (B) whole cell lysates.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.