

## Rabbit anti-Human MINA/MINA53 Polyclonal Antibody | anti-RIOX2 antibody

Anti-MINA/MINA53 Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                               |
|-----------|--------|------------|----------------------------------------------------------------------------|
| AAA256450 | Rabbit | Human      | Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot |

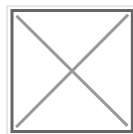
### PRODUCT SYNONYMS

MINA/MINA53; Polyclonal Antibody; Anti-MINA/MINA53 Antibody; Rabbit Polyclonal; MINA/MINA53/RIOX2 Antibody; Rabbit PAb; Antigen Affinity Purified; MYC induced nuclear antigen; Anti-MDIG Antibody; Anti-MINA53 Antibody; Anti-NO52 Antibody; Anti-ROX Antibody; anti-RIOX2 antibody

### PRODUCT SPECIFICATIONS

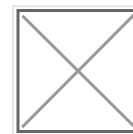
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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                     | Human MINA/MINA53/RIOX2                                                                                                                                                                                                                            |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                     | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-RIOX2 antibody | IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                    |
| Immunogen                                       | E Coli-derived Human MINA/MINA53/RIOX2 fragment                                                                                                                                                                                                    |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human MINA/MINA53/RIOX2 fragment, and purified by antigen affinity chromatography.                                                                                                               |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IP (Immunoprecipitation)

MINA was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate 1 uL anti-MINA rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MINA rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 53 kDa. Observed band size: 53 kDa.



#### IF (Immunofluorescence)

Immunofluorescence staining of MINA in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human MINA polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



#### WB (Western Blot)

Anti-MINA rabbit polyclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lane B: Raji Whole Cell Lysate Lane C: Jurkat Whole Cell Lysate Lane D: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 53 kDa Observed band size: 53 kDa

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-RIOX2 antibody</b> | RIOX2 (Ribosomal Oxygenase 2, also known as MINA) is a Protein Coding gene. The RIOX2 gene, located on 3q11.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, and frog. An important paralog of this gene is RIOX1. MINA is a c-Myc target gene that may play a role in cell proliferation or regulation of cell growth. RIOX2 is widely expressed in the thyroid, skin, and other tissues. Diseases associated with RIOX2 include Squamous Cell Carcinoma and Lung Cancer. Among its related pathways are Chromatin organization and Validated targets of C-MYC transcriptional activation. 222 organisms have orthologs with the human gene RIOX2. |
| <b>References</b>                                          | Zhou L, et al. (2019) Mina53 regulates the differentiation and proliferation of leukemia cells. Hematol Oncol 37 (4): 513-515. Zhang Q, et al. (2020) Crispr-cas9 gene editing causes alternative splicing of the targeting mrna. Biochem Biophys Res Commun 528 (1): 54-61. Xuan F, et al. (2018) Mina53 deficiency leads to glioblastoma cell apoptosis via inducing DNA replication stress and diminishing DNA damage response. Cell Death Dis 9 (11): 1062.                                                                                                                                                                                                                            |

**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/mina-mina53-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/256450>