10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-MINA53 Antibody
**Rabbit polyclonal antibody to MINA53**
**Catalog # AP59954**

## Specification

### Anti-MINA53 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q8IUF8 |
| Other Accession | Q8CD15 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **52800** |

### Anti-MINA53 Antibody - Additional Information

**Gene ID** 84864

**Other Names**
MDIG; MINA53; NO52; Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA; 60S ribosomal protein L27a histidine hydroxylase; Histone lysine demethylase MINA; MYC-induced nuclear antigen; Mineral dust-induced gene protein; Nucleolar protein 52; Ribosomal oxygenase MINA; ROX

**Target/Specificity**
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MINA53. The exact sequence is proprietary.

**Dilution**
WB~~WB (1/500 - 1/1000)

**Format**
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**
Store at -20 °C.Stable for 12 months from date of receipt

### Anti-MINA53 Antibody - Protein Information

**Name** RIOX2 (HGNC:19441)

**Function**
Oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. Is involved in the demethylation of trimethylated 'Lys-9' on histone H3 (H3K9me3), leading to an increase in ribosomal RNA expression. Also catalyzes the hydroxylation of 60S ribosomal protein L27a on 'His-39'. May play an important role in cell growth and survival. May be involved in ribosome biogenesis, most likely during the assembly process of pre-ribosomal

particles.

**Cellular Location**
Nucleus. Nucleus, nucleolus

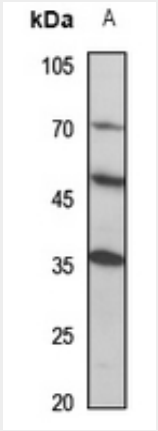
**Tissue Location**
Expressed in liver, skeletal muscle, heart, pancreas, and placenta. Not detected in brain, lung or kidney Expressed in several lung cancer tissues, but is barely detected in the adjacent non-cancerous tissues. Also highly expressed in several esophageal squamous cell carcinoma (ESCC), and colon cancer tissues, and in various cancer cell lines.

## Anti-MINA53 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-MINA53 Antibody - Images




Western blot analysis of MINA53 expression in rat liver (A) whole cell lysates.

## Anti-MINA53 Antibody - Background

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