

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

Specification

Anti-MINA53 Antibody - Product Information

Application	WB
Primary Accession	O8IUF8
Other Accession	O8CD15
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

Recognizes endogenous levels of MINA53 protein.

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

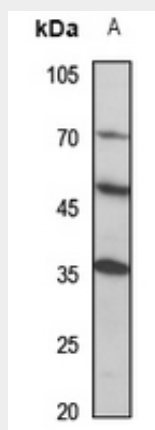
Tissue Location

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 Cytometry](#)
- [Cell Culture](#)

Anti-MINA53 Antibody - Images

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

Anti-MINA53 Antibody - Background

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