

**MINA / MINA53 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13811****Specification****MINA / MINA53 Antibody (N-Terminus) - Product Information**

Application	IF, IHC
Primary Accession	<a href="#">Q8IUJ8</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

**MINA / MINA53 Antibody (N-Terminus) - Additional Information****Gene ID** 84864**Other Names**

Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA, 1.14.11.-, 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, MINA (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=19441" target="\_blank">HGNC:19441</a>)

**Target/Specificity**

Human MINA

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

MINA / MINA53 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**MINA / MINA53 Antibody (N-Terminus) - 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

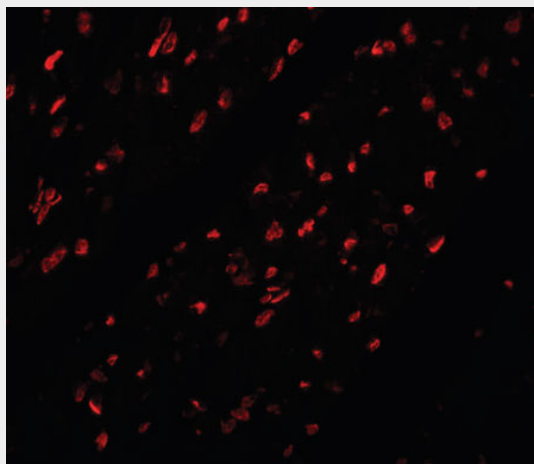
**Tissue Location**

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.

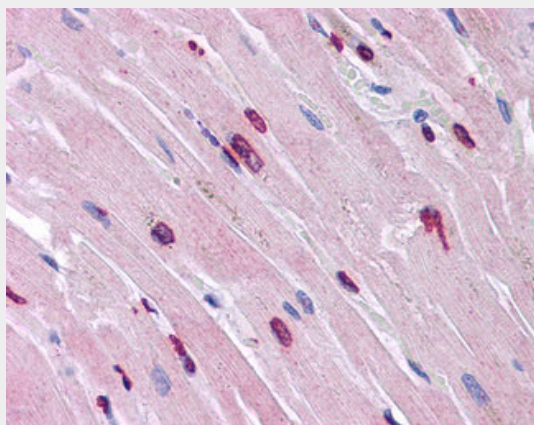
**MINA / MINA53 Antibody (N-Terminus) - Protocols**

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](#)

**MINA / MINA53 Antibody (N-Terminus) - Images**

Immunofluorescence of MINA in mouse heart tissue with MINA antibody at 20 ug/ml.



Anti-MINA antibody IHC of human heart.

**MINA / MINA53 Antibody (N-Terminus) - Background**

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#### **MINA / MINA53 Antibody (N-Terminus) - References**

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Eilbracht J.,et al.Mol. Biol. Cell 15:1816-1832(2004).  
Zhang Y.,et al.Oncogene 24:4873-4882(2005).  
Chang Q.,et al.Submitted (APR-2006) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).