

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

MINA / MINA53 Antibody (N-Terminus) - Product Information

Application	IF, IHC
Primary Accession	Q8IUJ8
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 (HGNC:19441)

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

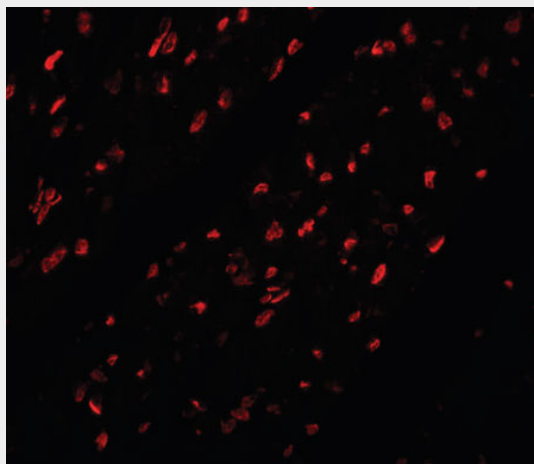
Tissue Location

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.

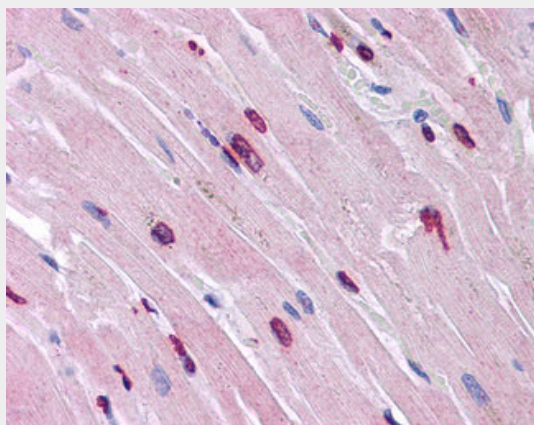
MINA / MINA53 Antibody (N-Terminus) - Protocols

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

Tsuneoka M.,et al.J. Biol. Chem. 277:35450-35459(2002).
Eilbracht J.,et al.Mol. Biol. Cell 15:1816-1832(2004).
Zhang Y.,et al.Oncogene 24:4873-4882(2005).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).