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MINA Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12466a

Specification

MINA Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q8IUF8

MINA Antibody (N-term) Blocking peptide - Additional Information

Gene ID 84864

Other Names
Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA, 11411-, 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)

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MINA Antibody (N-term) Blocking peptide - 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

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(ESCC), and colon cancer tissues, and in various cancer cell lines.

MINA Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

MINA Antibody (N-term) Blocking peptide - Images

MINA Antibody (N-term) Blocking peptide - Background

MINA is a c-Myc (MYC; MIM 190080) target gene that mayplay a role in cell proliferation or regulation of cell growth.(Tsuneoka et al., 2002 [PubMed 12091391]; Zhang et al., 2005[PubMed 15897898]).

MINA Antibody (N-term) Blocking peptide - References

Komiya, K., et al. J. Cancer Res. Clin. Oncol. 136(3):465-473(2010)Lu, Y., et al. Cell Cycle 8(13):2101-2109(2009)Zhang, Q., et al. Int. J. Biol. Markers 23(2):83-88(2008)Ishizaki, H., et al. Pathol. Int. 57(10):672-680(2007)Teye, K., et al. Oncol. Rep. 18(4):841-848(2007)