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MINA53 Antibody

Rabbit mAb
Catalog # AP91150

Product Information

Application	WB, IF, ICC
Primary Accession	Q8IUF8
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	Histone lysine demethylase MINA; MDIG; MINA; NO52; ROX;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	52800

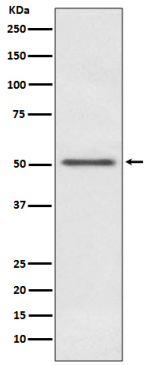
Additional Information

Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MINA53
Description	Involved in cellular proliferation. 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of MINA53 expression in A431 cell lysate.

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