ARG41814
anti-RIOX2 / MINA53 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RIOX2 / MINA53
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RIOX2 / MINA53
Species	Human
Immunogen	Synthetic peptide of Human RIOX2 / MINA53.
Conjugation	Un-conjugated
Alternate Names	MDIG; Mineral dust-induced gene protein; Histone lysine demethylase MINA; Nucleolar protein 52; ROX; Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA; MINA53; 60S ribosomal protein L27a histidine hydroxylase; NO52; EC 1.14.11.-; Ribosomal oxygenase MINA; MYC-induced nuclear antigen

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	A431
Observed Size	~ 50 kDa

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MINA
Gene Full Name	MYC induced nuclear antigen
Background	MINA is a c-Myc (MYC; MIM 190080) target gene that may play a role in cell proliferation or regulation of cell growth. (Tsuneoka et al., 2002 [PubMed 12091391]; Zhang et al., 2005 [PubMed 15897898]).[supplied by OMIM, May 2008]
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. [UniProt]
Calculated Mw	53 kDa
Cellular Localization	Nucleus. Nucleus, nucleolus. [UniProt]

Images

ARG41814 anti-RIOX2 / MINA53 antibody WB image

Western blot: A431 cell lysate stained with ARG41814 anti-RIOX2 / MINA53 antibody.