MINA Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	MINA (MINA (HGNC:19441)), Blocking Peptide
Full Product Name	MINA Antibody (N-term) Blocking peptide
Product Gene Name	MINA (HGNC:19441) blocking peptide
Product Synonym 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
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	MINA peptide (MBS9219153) is used for blocking the activity of MINA antibody (MBS9203881)
Molecular Weight	52,672 Da
OMIM	612049
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
Related Product Information for MINA (HGNC:19441) blocking peptide	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.
Other Notes	Small volumes of MINA (HGNC:19441) blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MINA (HGNC:19441) purchase	MBS9219153 is a blocking peptide targeting MINA (HGNC:19441). Also known as MINA Antibody (N-term) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MINA (HGNC:19441). It may not necessarily be applicable to this product.

NCBI GI #	74750624
NCBI GeneID	84864
NCBI Accession #	Q8IUF8.1
UniProt Primary Accession #	Q8IUF8
UniProt Secondary Accession #	Q6AHW4; Q6SKS0; Q8IU69; Q8IUF6; Q8IUF7; Q96C17; Q96KB0; D3DN35
UniProt Related Accession #	Q8IUF8
NCBI Official Full Name	Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA

NCBI Official Synonym Full Names	MYC induced nuclear antigen
NCBI Official Symbol	MINA
NCBI Official Synonym Symbols	ROX; MDIG; NO52; MINA53
UniProt Protein Name	Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA
UniProt Synonym Protein Names	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
Protein Family	Bifunctional lysine-specific demethylase and histidyl-hydroxylase
UniProt Gene Name	MINA
UniProt Synonym Gene Names	ROX
UniProt Entry Name	MINA_HUMAN
NCBI Protein Information	bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA
NCBI Summary for MINA (HGNC:19441)	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]
UniProt Comments for MINA (HGNC:19441)	MINA: 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. Belongs to the MINA53/NO66 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Nucleolus Chromosomal Location of Human Ortholog: 3q11.2 Cellular Component: cytoplasm; nucleolus; nucleus
Research Articles on MINA (HGNC:19441)	**1.** Histone modifier genes (JMJD1C, RREB1, MINA, KDM7A) alter conotruncal heart phenotypes in 22q11.2 deletion syndrome.
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