

## Anti-RIOX2 antibody

<b>Cat. No.</b>	ml225067
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-RIOX2 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human RIOX2
<b>Reactivity</b>	Human
<b>Content</b>	0.72 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	RIOX2
<b>Full name</b>	ribosomal oxygenase 2

**Synonyms** ROX; MDIG; MINA; NO52; JMJD10; MINA53

**Swissprot** Q8IUF8

#### **Target Background**

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.

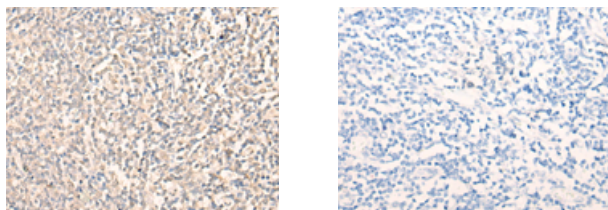
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human tonsil

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml225067(R1OX2 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 53 kDa

Positive control: Jurkat cell lysate

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

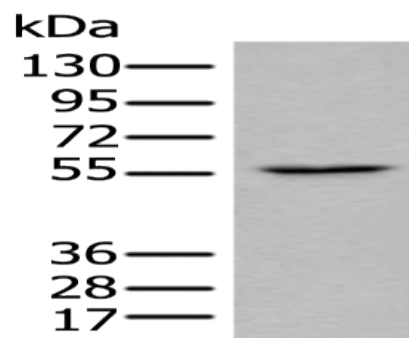
Lysate: 40  $\mu$ g

Lane: Jurkat cell lysate

Primary antibody: ml225067(RIOX2 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 45 seconds



## ELISA

Recommended dilution: 5000-10000

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