

## Anti-RETREG1 antibody

<b>Cat. No.</b>	ml225727
<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-RETREG1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human RETREG1
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	1.02 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>	RETREG1
<b>Full name</b>	reticulophagy regulator 1

**Synonyms** JK1; JK-1; FAM134B

**Swissprot** Q9H6L5

#### **Target Background**

The protein encoded by this gene is a cis-Golgi transmembrane protein that may be necessary for the long-term survival of nociceptive and autonomic ganglion neurons. Mutations in this gene are a cause of hereditary sensory and autonomic neuropathy type IIB (HSAN IIB), and this gene may also play a role in susceptibility to vascular dementia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

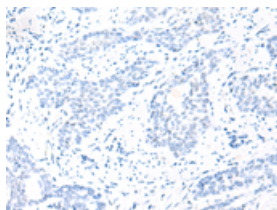
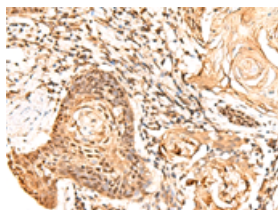
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human esophagus cancer

Recommended dilution: 50-300

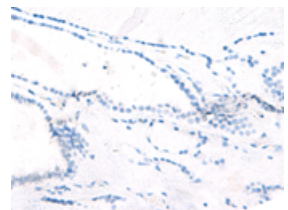
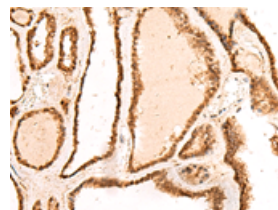


The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml225727(RETREG1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Nucleus

Positive control: Human thyroid cancer

Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml225727(RETREG1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 55 kDa

Positive control: Human heart tissue lysate

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

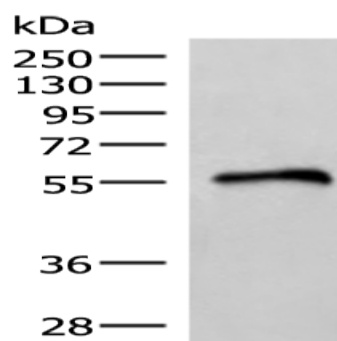
Lysate: 40  $\mu$ g

Lane: Human heart tissue lysate

Primary antibody: ml225727(RETREG1 Antibody) at dilution 1/400

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

Exposure time: 7 seconds



#### ELISA

Recommended dilution: 5000-10000

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