

**METRNL Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15757****Specification**

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**METRNL Antibody - C-terminal region - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">Q641Q3</a>  |
| Other Accession   | <a href="#">NM_001004431</a> , <a href="#">NP_001004431</a>           |
| Reactivity        | Human, Mouse, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog      |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Calculated MW     | 29kDa KDa   |

**METRNL Antibody - C-terminal region - Additional Information****Gene ID** 284207**Other Names**

Meteorin-like protein, Subfatin, METRNL

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-METRNL antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

METRNL Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**METRNL Antibody - C-terminal region - Protein Information****Name** METRNL**Function**

Hormone induced following exercise or cold exposure that promotes energy expenditure. Induced either in the skeletal muscle after exercise or in adipose tissue following cold exposure and is present in the circulation. Able to stimulate energy expenditure associated with the browning of the white fat depots and improves glucose tolerance. Does not promote an increase in a thermogenic gene program via direct action on adipocytes, but acts by stimulating several immune cell subtypes to enter the adipose tissue and activate their prothermogenic actions. Stimulates an eosinophil-dependent increase in IL4 expression and promotes alternative activation of adipose tissue macrophages, which are required for the increased expression of the

thermogenic and anti-inflammatory gene programs in fat. Required for some cold-induced thermogenic responses, suggesting a role in metabolic adaptations to cold temperatures (By similarity).

**Cellular Location**

Secreted.

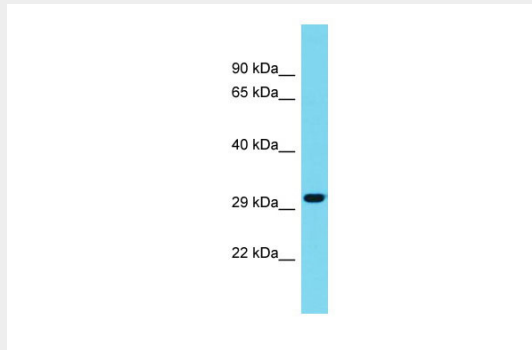
**Tissue Location**

Highly expressed in the skeletal muscle, in subcutaneous adipose tissue, epididymal white adipose tissue depots and heart. Also expressed in brown adipose tissues and kidney

**METRNL Antibody - C-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**METRNL Antibody - C-terminal region - Images**

Host: Rabbit

Target Name: METRNL

Sample Tissue: Fetal Liver lysates

Antibody Dilution: 1.0µg/ml

**METRNL Antibody - C-terminal region - References**

Ota T., et al. Nat. Genet. 36:40-45(2004).  
Zody M.C., et al. Nature 440:1045-1049(2006).  
Rao R.R., et al. Cell 157:1279-1291(2014).  
Li Z.Y., et al. CNS Neurosci. Ther. 20:344-354(2014).