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METRNL Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15757

Product Information

Application	WB
Primary Accession	Q641Q3
Other Accession	NM_001004431, NP_001004431
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34398

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.

Protein Information

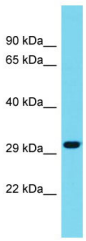
Name	METRNL
Function	Hormone induced following exercise or cold exposure that promotes energy expenditure. Induced either in the skeletal muscle after exercise or in adipose tissue following cold exposure and is present in the circulation. Able to stimulate energy expenditure associated with the browning 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

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).

Images



Host: Rabbit
Target Name: METRNL
Sample Tissue: Fetal Liver lysates
Antibody Dilution: 1.0µg/ml