ARG43773
anti-METRNL antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes METRNL
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	METRNL
Species	Human
Immunogen	Recombinant protein corresponding to aa. Q46-D311 of Human METRNL.
Conjugation	Un-conjugated
Alternate Names	METRNL; Subfatin; meteorin like, glial cell differentiation regulator; Cometin; Meteorin-Like Protein

Application Instructions

Application table

Application	Dilution
IHC-P	1:20 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 34 kDa

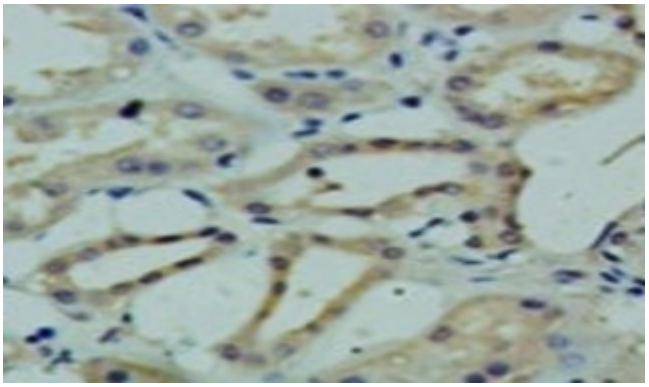
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.03% Proclin 300 and 50% Glycerol.
Preservative	0.03% Proclin 300
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

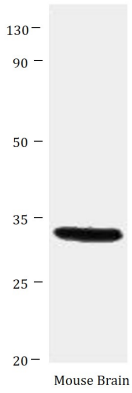
Gene Symbol	METRNL
Gene Full Name	meteorin like, glial cell differentiation regulator
Background	Predicted to enable hormone activity. Predicted to be involved in several processes, including brown fat cell differentiation; energy homeostasis; and positive regulation of brown fat cell differentiation. Located in extracellular exosome. [provided by Alliance of Genome Resources, Apr 2022]
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). [UniProt]
Calculated Mw	34.4 kDa
PTM	Disulfide bond
Cellular Localization	Secreted. [UniProt]

Images



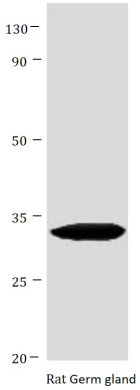
ARG43773 anti-METRNL antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue stained with ARG43773 anti-METRNL antibody at 1:100 dilution.



ARG43773 anti-METRNL antibody WB image

Western blot: Mouse brain tissue lysates stained with ARG43773 anti-METRNL antibody at 1:500 dilution.



ARG43773 anti-METRNL antibody WB image

Western blot: Rat Germ gland tissue lysate stained with ARG43773 anti-METRNL antibody at 1:500 dilution.