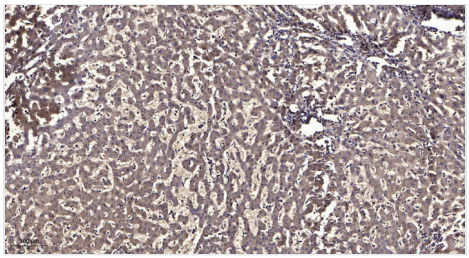
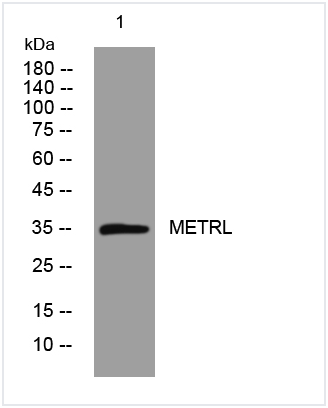
METRL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	METRL, Polyclonal Antibody
Full Product Name	METRL Antibody
Product Gene Name	anti-METRL antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of METRL at Human/Mouse/Rat
Preparation and Storage	Store at -20 degree C/1 year
3D Structure	ModBase 3D Structure for Q641Q3
Immunogen	Synthesized peptide derived from human METRL AA range: 78-128
Modification	Unmodified/Total
Product Categories/Family for anti-METRL antibody	Primary Antibodies
Applications Tested/Suitable for anti-METRL antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-METRL antibody	WB: 1:500-2000 IHC: 1:50-300
Related Product Information for anti-METRL antibody	MBS9520399 is an antibody targeting METRL. Also known as METRL Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-METRL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-METRL antibody
Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4 degree overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Western Blot (WB) of anti-METRL antibody
Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for METRL. It may not necessarily be applicable to this product.

NCBI GI #	52345387
NCBI GeneID	284207
NCBI Accession #	NP_001004431.1
UniProt Primary Accession #	Q641Q3
UniProt Related Accession #	Q641Q3
GenBank Nucleotide #	NM_001004431.3
NCBI Official Full Name	meteorin-like protein isoform 1
NCBI Official Synonym Full Names	meteorin like, glial cell differentiation regulator
NCBI Official Symbol	METRNL
UniProt Protein Name	Meteorin-like protein
UniProt Synonym Protein Names	Subfatin
UniProt Gene Name	METRNL
NCBI Protein Information	meteorin-like protein
UniProt Comments for METRL	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 ().
Research Articles on METRL	**1.** Lower serum levels of Metrnl in patients with coronary artery disease and type 2 diabetes mellitus are negatively associated with insulin resistance and inflammatory cytokines.
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