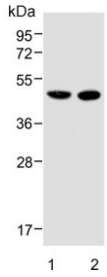
METTL4 Antibody / Methyltransferase-like protein 4 (F54500)

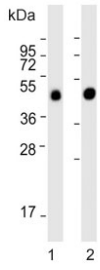
Catalog No.	Formulation	Size
F54500-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54500-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

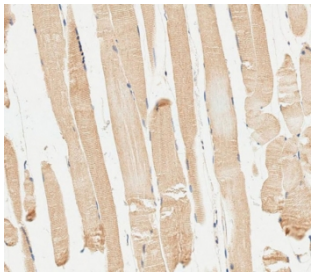
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q8N3J2
Applications	Western blot: 1:500-1:1000 Flow cytometry: 1:25 per million cells in 0.1ml Immunohistochemistry (FFPE): 1:100-1:500
Limitations	This METTL4 antibody is available for research use only.



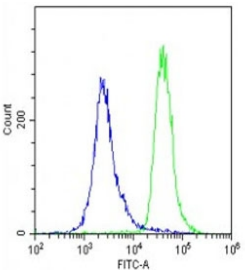
Western blot testing of human 1) liver and 2) U-2 OS lysate with METTL4 antibody. Predicted molecular weight ~54 kDa.



Western blot testing of 1) human liver and 2) rat liver lysate with METTL4 antibody. Predicted molecular weight ~54 kDa.



IHC testing of FFPE human skeletal muscle tissue with IRF7 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized human U-2 OS cells with METTL4 antibody; Blue=isotype control, Green= METTL4 antibody.

Description

METTL4 is a protein that belongs to the methyltransferase-like family, which is involved in the transfer of methyl groups onto other molecules, such as DNA, RNA, and proteins. The exact function of METTL4 is still not fully understood, but recent studies have suggested that it may be involved in regulating gene expression and protein synthesis. Research has shown that METTL4 is expressed in a wide range of tissues and cell types, indicating its importance in normal physiological functions. Its dysregulation has been linked to various diseases, including cancer, neurodegenerative disorders, and metabolic syndromes.

Application Notes

The stated application concentrations are suggested starting points. Titration of the METTL4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 315-344 from the human protein was used as the immunogen for the METTL4 antibody.

Storage

Aliquot the METTL4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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