

Anti-METTL4 Polyclonal Antibody

Product Details

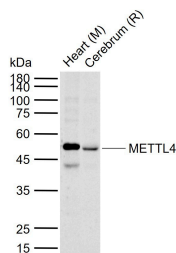
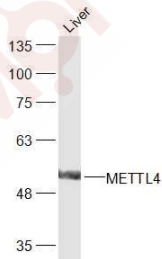
Ig Type: IgG
Reactivity: Mouse,Rat (predicted:Human,Dog,Horse,Rabbit)
Molecular Weight: Theoretical: 54 kDa. Actual: 54 kDa.
Purification: Protein A purified

Applications

1. Sample:
Liver (Rat) Cell Lysate at 40 µg
Primary: Anti-METTL4 (TMAB-01128) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 54 kDa
Observed band size: 54 kDa

Verified Activity:

2. Sample:
Lane 1: Mouse Heart tissue lysates
Lane 2: Rat Cerebrum tissue lysates
Primary: Anti-METTL4 (TMAB-01128) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 54 kDa
Observed band size: 54 kDa



Application: WB
Recommended WB: 1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human METTL4

Antigen Species: Human

Gene ID: 64863

Uniprot ID: Q8N3J2

Synonyms: N(6)-adenine-specific methyltransferase METTL4;Methyltransferase-like protein 4;N(6)-adenine-specific DNA methyltransferase METTL4;snRNA (2'-O-methyladenosine-N(6))-methyltransferase METTL4;METTL4

Biology Area: Methylated DNA,DNMTs,Methylated DNA Associated,Other Nuclear Bodies

Research Background

METTL4 is a 472 amino acid enzyme that belongs to the MT-A70-like family. Other members of this family have enzymatic activity that results in the transfer of a methyl group to and from DNA, RNA or amino acids. The gene encoding METTL4 maps to chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases, representing about 2.5% of total DNA in cells. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas. Also, three chromosomal abnormalities result from meiotic nondisjunction events of chromosome 18: Monosomy 18p, Trisomy 18 (also known as Edwards syndrome) and Tetrasomy 18p.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481