

For Research Use Only

# MTHFD1 Recombinant antibody, PBS Only

Catalog Number: 84884-5-PBS



## Basic Information

Catalog Number:

84884-5-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1225

GenBank Accession Number:

BC009806

GeneID (NCBI):

4522

UNIPROT ID:

P11586

Full Name:

methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase

Calculated MW:

101 kDa

Observed MW:

101-110 kDa

Purification Method:

Protein A purification

CloneNo.:

242388F1

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

## Background Information

MTHFD1 is a trifunctional enzyme involved in the pathway tetrahydrofolate interconversion, which is part of One-carbon metabolism. MTHFD1 is associated with HCC and CRC progression. It has been reported that MTHFD-deficient patient fibroblasts exhibit enriched MTHFD1 in the nucleus which is critical for de novo dTMP synthesis. (PMID: 31133746, 30997850, 31421459, 25548164)

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

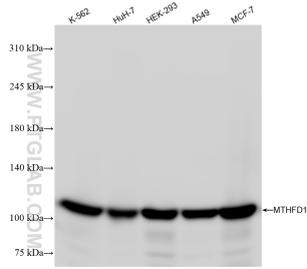
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

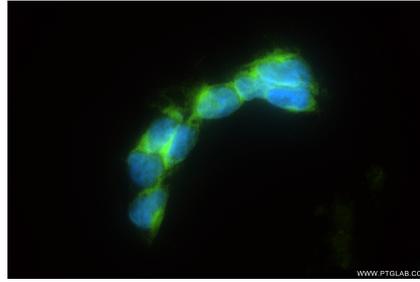
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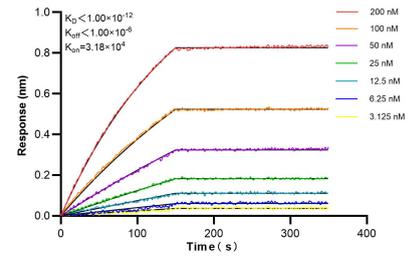
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84884-5-RR (MTHFD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84884-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using MTHFD1 antibody (84884-5-RR, Clone: 242388F1) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84884-5-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84884-5-RR against Human MTHFD1 were performed. The affinity constant is below 1 pM.