

# MTHFR Rabbit pAb

Catalog No.: A0305

## Basic Information

### Observed MW

75kDa

### Calculated MW

75kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Rat

## Background

The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with methylenetetrahydrofolate reductase deficiency.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

4524

### Swiss Prot

P42898

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human MTHFR (NP\_005948.3).

### Synonyms

MTHFR

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

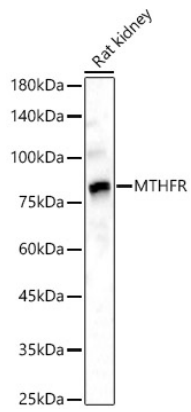
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of Rat kidney, using MTHFR Rabbit pAb (A0305) at 1:2000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.