

#### **International Office**

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# EB11165 - Goat Anti-MTHFR (aa369-383) Antibody

Size: 100µg specific antibody in 200µl



#### **Target Protein**

Principal Names: 5,10-methylenetetrahydrofolate reductase (NADPH),

methylenetetrahydrofolate reductase, methylenetetrahydrofolate reductase (NAD(P)H),

OTTHUMP00000002367, OTTHUMP00000002373, MTHFR

Official Symbol: MTHFR

Accession Number(s): NP\_005948.3

Human GeneID(s): 4524

Non-Human GenelD(s): 17769 (mouse), 362657 (rat)

## **Immunogen**

Peptide with sequence C-SRPKSYIYRTQEWDE, from the internal region of the protein sequence according to NP\_005948.3.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:8000.

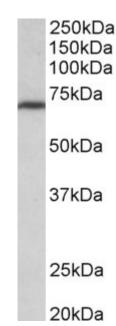
**Western blot:** Approx 70kDa band observed in lysates of cell line NIH3T3 (calculated MW of 74.6kDa according to Human NP\_005948.3 and Mouse NP\_034970.2).

Recommended concentration: 0.3-1µg/ml.

## **Species Reactivity**

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB11165 ( $0.3\mu g/ml$ ) staining of NIH3T3 lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.