

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08489 - Goat Anti-MTHFD1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MTHFD1, methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase, MTHFC, MTHFD, 5,10-methylenetetrahydrofolate dehydrogenase, 5,10-methylenetetrahydrofolate cyclohydrolase, 10-formyltetrahydrofolate synthetase, C1-THF synthase, NADP-dependent cyclohydrolase/formyltetrahydrofolate synthetase, cytoplasmic C-1-tetrahydrofolate synthase, methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase, methylenetetrahydrofolate dehydrogenase 1

**Official Symbol:** MTHFD1

**Accession Number(s):** NP\_005947.2

**Human GeneID(s):** [4522](#)

**Non-Human GeneID(s):** 108156 (mouse), 64300 (rat)

### Immunogen

Peptide with sequence RGD LNDCFIPCTPK, from the internal region of the protein sequence according to NP\_005947.2.

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 1:1000.

**Western blot:** Approx. 110kDa band observed in Human Brain (substantia nigra) lysates (calculated MW of 102kDa according to NP\_005947.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

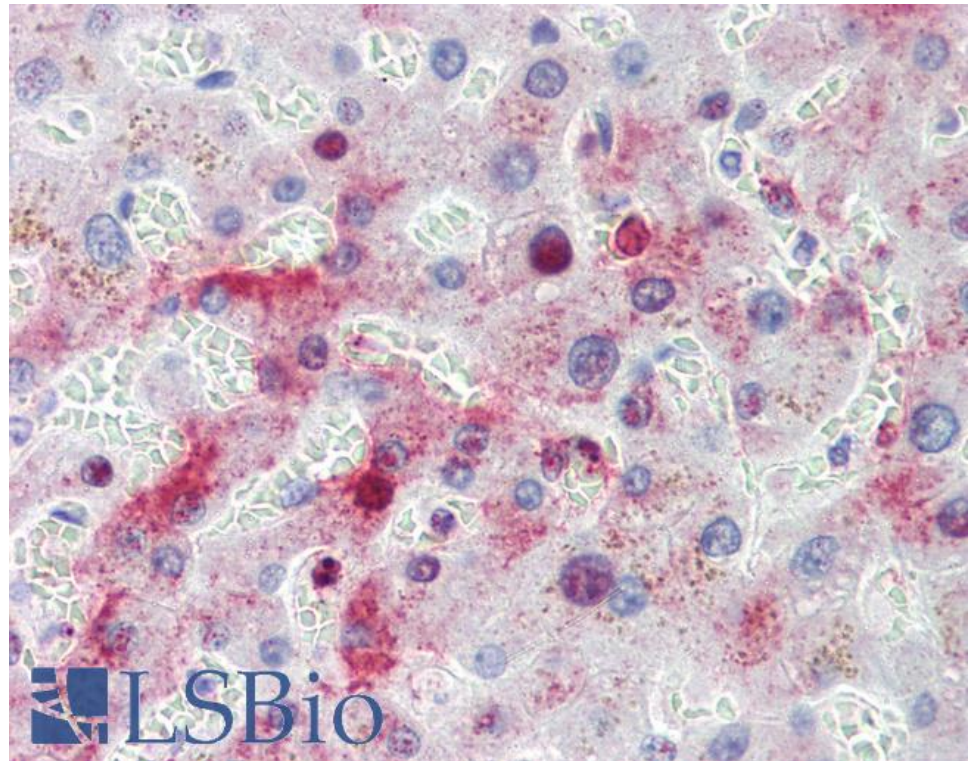
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat



EB08489 (1µg/ml) staining of Human Substantia Nigra lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB08489 (3.75µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**