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

EB08334 - Goat Anti-MSH4 (internal) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MSH4, mutS homolog 4 (E. coli), RP11-262K24.2, mutS homolog 4

Official Symbol: MSH4

Accession Number(s): NP_002431.2

Human GeneID(s): [4438](#)

Non-Human GeneID(s): 55993 (mouse)

Immunogen

Peptide with sequence C-ETNSSTFMKEMKE, from the internal region of the protein sequence according to NP_002431.2.

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 1:64000.

Western blot: Preliminary experiments gave bands at approx 60kDa and 35kDa in Human Testis, Ovary and Uterus lysates and in Mouse and Rat Testis lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 105kDa according to NP_002431.2. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

Expected from sequence similarity: Human, Mouse