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

EB08335 - Goat Anti-MSH5 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MSH5, mutS homolog 5 (E. coli), XXbac-BCX40G17.5, DKFZp434C1615, G7N: MGC2939, MutSH5, NG23, mutS homolog 5

Official Symbol: MSH5

Accession Number(s): NP_079535.3 ; NP_751897.1; NP_002432.1

Human GeneID(s): [4439](#)

Non-Human GeneID(s): 17687 (mouse), 294252 (rat)

Important Comments: This antibody is expected to recognise three reported isoforms (NP_079535.3 ; NP_751897.1; NP_002432.1); Reported variants NP_751898.1 and NP_002432.1 represent identical protein.

Immunogen

Peptide with sequence GDLHCEIRDQET, from the internal region of the protein sequence according to NP_079535.3 ; NP_751897.1; NP_002432.1.

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 an approx 38kDa band in Human Testis, Tonsil and Thymus lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 92.9kDa according to the smallest reported isoform NP_002432.1. The 38kDa band was successfully blocked by incubation with the immunizing peptide. 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?

IHC: In paraffin embedded Human Testis shows nuclear staining in spermatocytes.

Recommended concentration, 2.5-3.8µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

EB08335 (3.8µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.