

## Goat anti-MSH5 Antibody

<b>Item Number</b>	dAP-1522
<b>Target Molecule</b>	Principle Name: MSH5; Official Symbol: MSH5; All Names and Symbols: MSH5; mutS homolog 5 (E. coli) ; XXbac-BCX40G17.5; DKFZp434C1615; G7N: MGC2939; MutSH5; NG23; mutS homolog 5; Accession Number (s): NP_079535.3 ; NP_751897.1; NP_002432.1; Human Gene ID(s): 4439; Non-Human GeneID (s): 17687 (mouse) 294252 (rat)
<b>Immunogen</b>	GDLHCEIRDQET, is from internal region 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.
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	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 calc
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Testis shows nuclear staining in spermatocytes. Recommended concentration, 2.5-3.8µg/ml.
<b>Reference</b>	Reference(s): Neyton S, Lespinasse F, Lahaye F, Staccini P, Paquis-Flucklinger V, Santucci-Darmanin S. CRM1-dependent nuclear export and dimerization with hMSH5 contribute to the regulation of hMSH4 sub-cellular localization. Exp Cell Res. 2007 Oct 15;313(17):3680-93. Epub 2007 Aug 21..PMID: 17869244 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**