

## Immunotag™ MSH3 Antibody

Antibody Specification	
Catalog No.	ITA4505
Product Description	Immunotag™ MSH3 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MSH3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	MSH3 Antibody detects endogenous levels of total MSH3
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MSH3
Accession No.	P20585
Alternate Names	Divergent upstream protein; DNA mismatch repair protein; DNA mismatch repair protein Msh 3; DNA mismatch repair protein MSH3; DUC 1; DUC1; DUG; DUP; hMSH3; MGC163306; MGC163308; Mismatch repair protein 1; MRP 1; MRP1; MSH 3; MSH3; MSH3_HUMAN; MutS homolog 3 (E. coli); MutS homolog 3;

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Description	Component of the post-replicative DNA mismatch repair system (MMR). Heterodimerizes with MSH2 to form MutS beta which binds to DNA mismatches thereby initiating DNA repair. When bound, the MutS beta heterodimer bends the DNA helix and shields approximately 20 base pairs. MutS beta recognizes large insertion-deletion loops (IDL) up to 13 nucleotides long. After mismatch binding, forms a ternary complex with the MutL alpha heterodimer, which is thought to be responsible for directing the downstream MMR events, including strand discrimination, excision, and resynthesis.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	127 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.