

## Product datasheet for **TA347005**

### MSH2 Mouse Monoclonal Antibody [Clone ID: 4G5-E11-D9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4G5-E11-D9
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for MSH2 antibody: purified recombinant human MSH2 protein fragments expressed in E.coli
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	100 kDa
Gene Name:	mutS homolog 2
Database Link:	<a href="#">NP_000242</a> <a href="#">Entrez Gene 4436 Human</a> <a href="#">P43246</a>
Background:	This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC).When cloned,it was discovered to be a human homolog of the E. coli mismatch repair gene mutS,consistent with the characteristic alterations in microsatellite sequences (RER phenotype) found in HNPCC.Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq,Apr 2012]
Synonyms:	COCA1; FCC1; HNPCC; HNPCC1; LCFS2

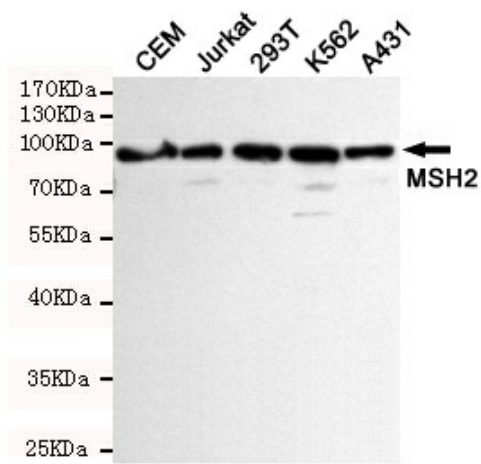


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Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Colorectal cancer, Mismatch repair, Pathways in cancer

### Product images:



Western blot detection of MSH2 in K562, CEM, Jurkat, 293T and A431 cell lysates using MSH2 mouse mAb (1:1000 diluted). Predicted band size: 100 kDa. Observed band size: 100 kDa.