MSH6Polyclonal Antibody

E90983

Catalog Number: E90983
Amount: 100ul
Background: The DNA mismatch repair system (MMR) repairs post-replication DNA, inhibits recombination between nonidentical DNA sequences, and induces both checkpoint and apoptotic responses following certain types of DNA damage (1). MSH2 (MutS homologue 2) forms the hMutS-α dimer with MSH6 and is an essential component of the mismatch repair process. hMutS-α is part of the BRCA1-associated surveillance complex (BASC), a complex that also contains BRCA1, MLH1, ATM, BLM, PMS2 proteins, and the Rad50-Mre11-NBS1 complex (2). Mutations in MSH6 and other MMR proteins have been found in a large proportion of hereditary nonpolyposis colorectal cancer (Lynch Syndrome), the most common form of inherited colorectal cancer in the Western world (3). Mutations in MSH6 have been shown to occur in glioblastoma in response to temozolomide therapy and to promote temozolomide resistance (4).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: MSH6;GTBP;HNPCC5;HSAP ;
Immunogen: Recombinant proteinof human MSH6
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 153kDa
Swiss-Prot No. : P52701
Gene ID: 2956
References: 1. O'Brien, V. and Brown, R. (2006) Carcinogenesis 27, 682-92. 2. Wang, Y. et al. (2000) Genes Dev 14, 927-39. 3. Plotz, G. et al. (2006) J Mol Histol 37, 271-83. 4. Yip, S. et al. (2009) Clin Cancer Res 15, 4622-9.

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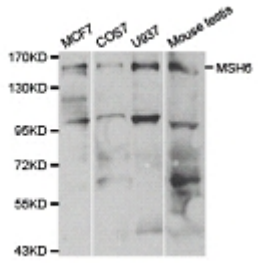
WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of various celllines, using MSH6 antibody.

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