



MSH2 Polyclonal Antibody

E91121

Catalog Number: E91121**Amount:** 100ul

Background: The DNA mismatch repair system (MMR) repairs post-replication DNA, inhibits recombination between non-identical 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 MSH2 have been found in a large proportion of hereditary non-polyposis colorectal cancer (Lynch Syndrome), the most common form of inherited colorectal cancer in the Western world (3). Mutations have also been associated with other sporadic tumors.

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.

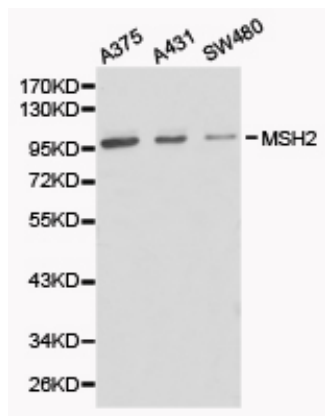
Synonyms: MSH2;COCA1;FCC1;HNPCC;HNPCC1;LCFS2 ;**Immunogen:** Recombinant protein of human MSH2**Purification:** Affinity purification**Reactivity:** H M R**Applications:** WB IHC**Molecular Weight:** 105kDa**Swiss-Prot No. :** P43246**Gene ID:** 4436

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.

For Research Use Only

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of various celllines,
using MSH2 antibody.

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