

[KO Validated] MSH2 Rabbit mAb

Catalog No.: A22177 **KO** **Validated** **Recombinant**

Basic Information

Observed MW

105kDa

Calculated MW

105kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC55799

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.

Recommended Dilutions

WB 1:2000 - 1:20000

IHC-P 1:100 - 1:500

Immunogen Information

Gene ID

4436

Swiss Prot

P43246

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 330-583 of human MSH2 (NP_000242.1).

Synonyms

FCC1; COCA1; HNPCC; LCF52; MSH-2; hMSH2; HNPCC1; LYNCH1; MMRCS2; H2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

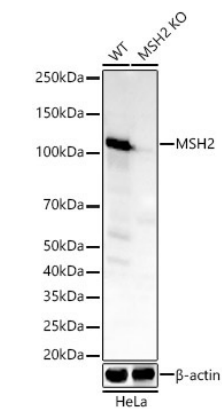
Affinity purification

Storage

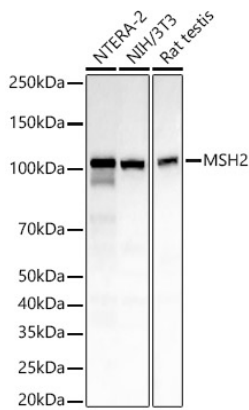
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

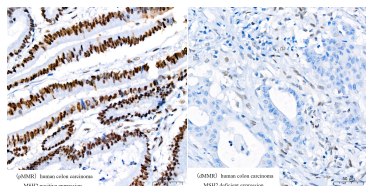
Validation Data



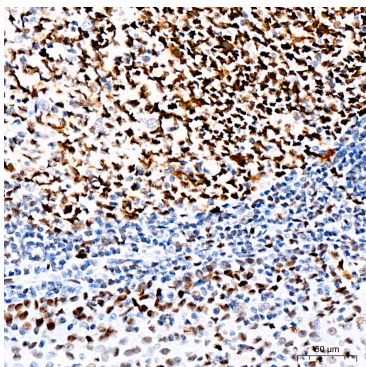
Western blot analysis of lysates from wild type(WT) and MSH2 knockout (KO) HeLa cells, using [KO Validated] MSH2 Rabbit mAb (A22177) at1:20000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Western blot analysis of various lysates, using [KO Validated] MSH2 Rabbit mAb (A22177) at1:20000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Immunohistochemistry analysis of MSH2 in paraffin-embedded Human colon carcinoma using [KO Validated] MSH2 Rabbit mAb (A22177) at dilution of 1:400 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of MSH2 in paraffin-embedded Human tonsil using [KO Validated] MSH2 Rabbit mAb (A22177) at dilution of 1:400 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.