

MutS Protein Homolog 2 (MSH2) (AB1561) mouse mAb

W0366

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 105 kDa (calculated)
- 105 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:100-1:500 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1561

Immunogen A synthetic peptide corresponding to the amino acid region 600 - 700 of the human MutS Protein Homolog 2 protein.

Specificity This antibody detects endogenous levels of MSH2 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name MSH2

Protein Name MutS Protein Homolog 2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P43246	3662

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],