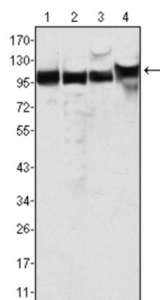
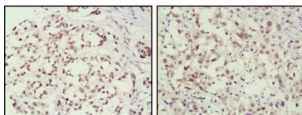


## DNA Mismatch Repair Protein Msh2 (MSH2) Antibody

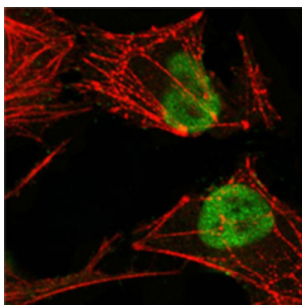
Catalogue No.: abx011203



Western blot analysis using MSH2 antibody against Hela (1), A549 (2), A431 (3) and HEK293 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer (left) and lung cancer (right) tissues, showing nuclear localization using MSH2 antibody with DAB staining.



Confocal immunofluorescence analysis of Hela cells using MSH2 antibody (green), showing nuclear localization. Red: Actin filaments have been labeled with AF555 phalloidin.

MSH2 was identified as a locus 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.

**Target:** DNA Mismatch Repair Protein Msh2 (MSH2)

**Clonality:** Monoclonal

**Reactivity:** Human, Monkey

**Tested Applications:** ELISA, WB, IHC, IF/ICC

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

# Datasheet

Version: 3.0.0  
Revision date: 17 Jun 2025



Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human MSH2 expressed in E. coli.
Isotype:	IgG <sub>1</sub>
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P43246 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
Gene Symbol:	MSH2
GeneID:	<a href="#">4436</a>
OMIM:	<a href="#">114500</a>
NCBI Accession:	NP_000242.1, NM_000251.2
HGNC:	7325
KEGG:	hsa:4436
Ensembl:	ENSG00000095002
String:	<a href="#">9606.ENSP00000233146</a>
Molecular Weight:	105 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.