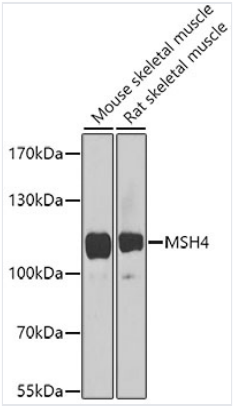
MSH4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MSH4, Polyclonal Antibody
Full Product Name	MSH4 Rabbit Polyclonal Antibody
Product Gene Name	anti-MSH4 antibody
Product Synonym Names	MSH4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	104,756 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (76262556..76378923). Location: 1p31
OMIM	602105
3D Structure	ModBase 3D Structure for O15457
Immunogen	Recombinant fusion protein of human MSH4 (NP_002431.2).
Product Categories/Family for anti-MSH4 antibody	Primary Antibody
Applications Tested/Suitable for anti-MSH4 antibody	Western Blot (WB)
Application Notes for anti-MSH4 antibody	WB: 1:500-1:2000
Related Product Information for anti-MSH4 antibody	This gene encodes a member of the DNA mismatch repair mutS family. This member is a meiosis-specific protein that is not involved in DNA mismatch correction, but is required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis I. This protein and MSH5 form a heterodimer which binds uniquely to a Holliday Junction and its developmental progenitor, thus provoking ADP-ATP exchange, and stabilizing the interaction between parental chromosomes during meiosis double-stranded break repair.
Other Notes	Small volumes of anti-MSH4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MSH4 purchase	MBS9466553 is an antibody targeting MSH4. Also known as MSH4 Rabbit Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-MSH4 antibody
Western blot analysis of extracts of various cell lines, using MSH4 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MSH4. It may not necessarily be applicable to this product.

NCBI GI #	36949366
NCBI GeneID	4438
NCBI Accession #	NP_002431.2
UniProt Primary Accession #	O15457
UniProt Secondary Accession #	Q5T4U6; Q8NEB3; Q9UNP8
UniProt Related Accession #	O15457
GenBank Nucleotide #	NM_002440.3
NCBI Official Full Name	mutS protein homolog 4
NCBI Official Synonym Full Names	mutS homolog 4 (E. coli)
NCBI Official Symbol	MSH4
UniProt Protein Name	MutS protein homolog 4
Protein Family	DNA mismatch repair protein
UniProt Gene Name	MSH4
UniProt Synonym Gene Names	hMSH4
UniProt Entry Name	MSH4_HUMAN
NCBI Protein Information	mutS protein homolog 4; hMSH4
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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