

**ARG40450**  
anti-MSH4 antibodyPackage: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MSH4
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MSH4
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 697-936 of Human MSH4 (NP_002431.2).
Conjugation	Un-conjugated
Alternate Names	MutS protein homolog 4; hMSH4

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse skeletal muscle	
Observed Size	105 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

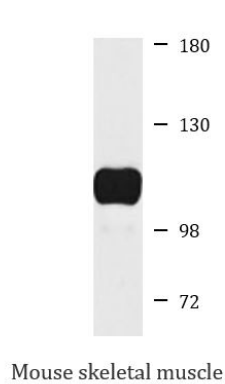
## Bioinformation

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Gene Symbol	MSH4
Gene Full Name	mutS homolog 4
Background	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. [provided by RefSeq, Aug 2011]
Function	Involved in meiotic recombination. Required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis. [UniProt]
Calculated Mw	105 kDa

## Images

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ARG40450 anti-MSH4 antibody WB image

Western blot: 25 µg of Mouse skeletal muscle lysate stained with ARG40450 anti-MSH4 antibody at 1:1000 dilution.