

## ARG64641 anti-MSH5 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes MSH5
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P
Specificity	This antibody is expected to recognise three reported isoforms ( NP_079535.3 ; NP_751897.1; NP_002432.1); Reported variants NP_751898.1 and NP_002432.1 represent identical protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	MSH5
Species	Human
Immunogen	GDLHCEIRDQET
Conjugation	Un-conjugated
Alternate Names	G7; NG23; hMSH5; MutS protein homolog 5; MUTSH5

### Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 4 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

Database links [GeneID: 4439 Human](#)

[Swiss-port # O43196 Human](#)

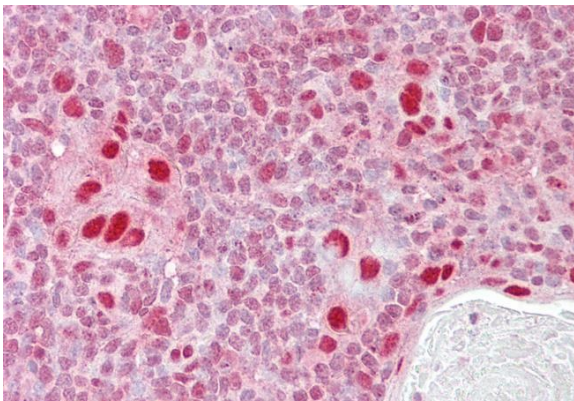
### Background

This gene encodes a member of the mutS family of proteins that are involved in DNA mismatch repair and meiotic recombination. This protein is similar to a *Saccharomyces cerevisiae* protein that participates in segregation fidelity and crossing-over events during meiosis. This protein plays a role in promoting ionizing radiation-induced apoptosis. This protein forms hetero-oligomers with another member of this family, mutS homolog 4. Polymorphisms in this gene have been linked to various human diseases, including IgA deficiency, common variable immunodeficiency, and premature ovarian failure. Alternative splicing results multiple transcript variants. Read-through transcription also exists between this gene and the downstream chromosome 6 open reading frame 26 (C6orf26) gene. [provided by RefSeq, Feb 2011]

Research Area Gene Regulation antibody

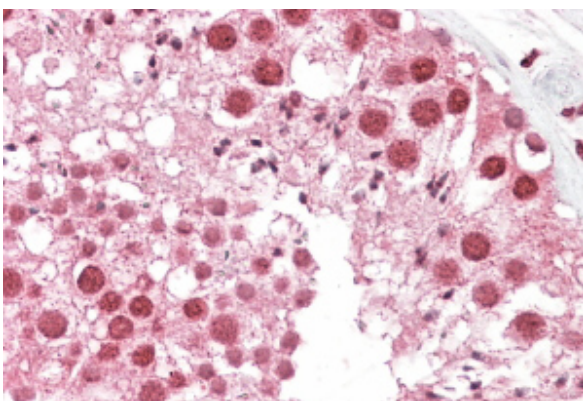
Calculated Mw 93 kDa

## Images



ARG64641 anti-MSH5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thymus tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64641 anti-MSH5 antibody at 2.5  $\mu\text{g}/\text{ml}$  dilution followed by AP-staining.



ARG64641 anti-MSH5 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Testis. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64641 anti-MSH5 antibody at 3.8  $\mu\text{g}/\text{ml}$  dilution followed by AP-staining.