

MSH5 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2707a**Specification**

MSH5 Antibody (internal region) - Product Information

Application	IHC, E
Primary Accession	O43196
Other Accession	NP_079535.3 , NP_751897.1 , NP_002432.1 , 4439 , 17687 (mouse) , 294252 (rat)
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	92875

MSH5 Antibody (internal region) - Additional Information**Gene ID** 4439**Other Names**

MutS protein homolog 5, hMSH5, MSH5

Dilution

IHC~~1:100~500

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MSH5 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MSH5 Antibody (internal region) - Protein Information**Name** MSH5**Function**

Involved in DNA mismatch repair and meiotic recombination processes. Facilitates crossovers between homologs during meiosis (By similarity).

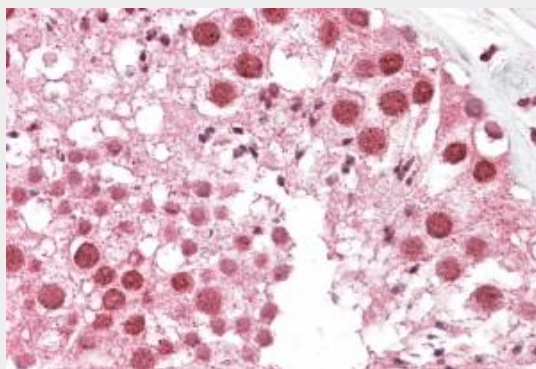
Tissue Location

Widely expressed, with high levels in testis and ovary, including granulosa cells (PubMed:28175301, PubMed:9740671) Also expressed in fetal ovary and adrenal gland (PubMed:28175301)

MSH5 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MSH5 Antibody (internal region) - Images

AF2707a (3.8 µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

MSH5 Antibody (internal region) - Background

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.

MSH5 Antibody (internal region) - References

CRM1-dependent nuclear export and dimerization with hMSH5 contribute to the regulation of hMSH4 subcellular localization. Neyton S, Lespinasse F, Lahaye F, Staccini P, Paquis-Flucklinger V, Santucci-Darmanin S. Exp Cell Res. 2007 Oct 15;313(17):3680-93. Epub 2007 Aug 21. PMID: 17869244