

MSH5 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16931c**Specification**

MSH5 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O43196](#)**MSH5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4439**Other Names**

MutS protein homolog 5, hMSH5, MSH5

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MSH5 Antibody (Center) Blocking Peptide - 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:9740671, PubMed:28175301) Also expressed in fetal ovary and adrenal gland (PubMed:28175301)

MSH5 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MSH5 Antibody (Center) Blocking Peptide - Images**MSH5 Antibody (Center) Blocking Peptide - 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 heterooligomers 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 in multiple transcript variants.

MSH5 Antibody (Center) Blocking Peptide - References

Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Pozo, N.D., et al. Hum. Immunol. 71(9):861-864(2010) Snowden, T., et al. J. Biol. Chem. 283(1):145-154(2008) Sekine, H., et al. Proc. Natl. Acad. Sci. U.S.A. 104(17):7193-7198(2007) Yi, W., et al. Biochem. Biophys. Res. Commun. 332(2):524-532(2005)