

MSH5 Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP16931c

Specification

MSH5 Antibody (Center) Blocking Peptide - Product Information

Primary Accession

043196

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

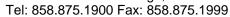
Provided below are standard protocols that you may find useful for product applications.

Blocking Peptides

MSH5 Antibody (Center) Blocking Peptide - Images

MSH5 Antibody (Center) Blocking Peptide - Background







This gene encodes a member of the mutS family of proteinsthat 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. Polymorphismsin this gene have been linked to various human diseases, includingIgA deficiency, common variable immunodeficiency, and prematureovarian failure. Alternative splicing results multiple transcriptvariants.

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)