

MSH5 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a partial recombinant MSH5. Catalog # AT2911a

Specification

MSH5 Antibody (monoclonal) (M08) - Product Information

Application WB, IF, E **Primary Accession** 043196 Other Accession BC002498 Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG2a Kappa 92875

Calculated MW

MSH5 Antibody (monoclonal) (M08) - Additional Information

Gene ID 4439

Other Names

MutS protein homolog 5, hMSH5, MSH5

Target/Specificity

MSH5 (AAH02498, 736 a.a. ~ 835 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000 IF~~1:50~200 E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

MSH5 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

MSH5 Antibody (monoclonal) (M08) - Protocols

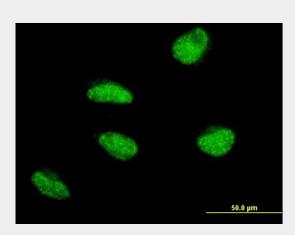
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

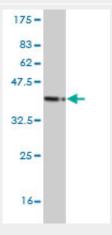


- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

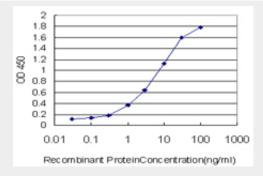
MSH5 Antibody (monoclonal) (M08) - Images



Immunofluorescence of monoclonal antibody to MSH5 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



Detection limit for recombinant GST tagged MSH5 is approximately 0.1ng/ml as a capture antibody.

MSH5 Antibody (monoclonal) (M08) - 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

MSH5 Antibody (monoclonal) (M08) - References

1.Spermatogenesis-specific association of SMCY and MSH5.Akimoto C, Kitagawa H, Matsumoto T, Kato S.Genes Cells. 2008 Jun;13(6):623-33. Epub 2008 May 4.

premature ovarian failure. Alternative splicing results multiple transcript variants.