

MSH5 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a partial recombinant MSH5.

Catalog # AT2911a

Product Information

Application	WB, IF, E
Primary Accession	O43196
Other Accession	BC002498
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1C11
Calculated MW	92875

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.

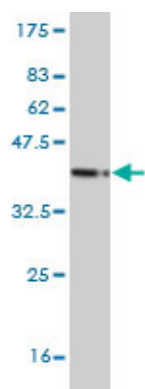
Background

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 multiple transcript variants.

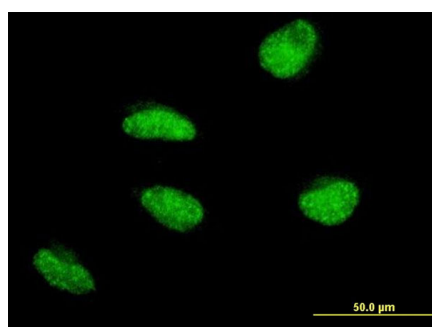
References

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.

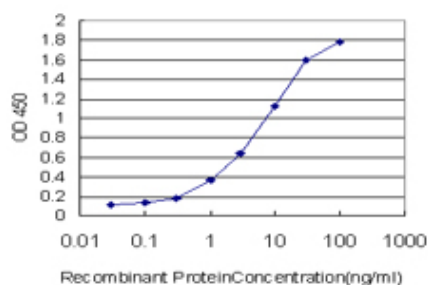
Images



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.