

MSH5 rabbit pAb

Catalog No :	YT6801
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	MSH5
Gene Name :	MSH5
Protein Name :	MSH5
Human Gene Id :	4439
Human Swiss Prot No :	O43196
Mouse Gene Id :	17687
Mouse Swiss Prot No :	Q9QUM7
Rat Gene Id :	294252
Rat Swiss Prot No :	Q6MG62
Immunogen :	Synthesized peptide derived from human MSH5 AA range: 13-63
Specificity :	This antibody detects endogenous levels of MSH5 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 92kD

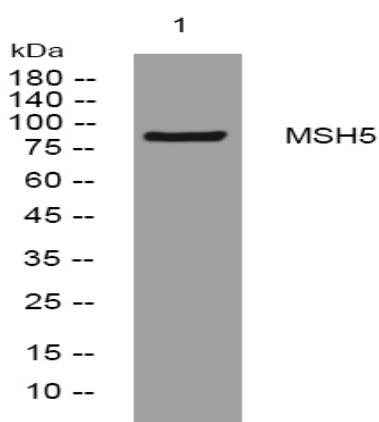
Background : This gene encodes a member of the mutS family of proteins that are involved in DNA mismatch repair and meiotic recombination. This protein is similar to a *Saccharomyces cerevisiae* protein that participates in segregation fidelity and crossing-over events during meiosis. This protein plays a role in promoting ionizing radiation-induced apoptosis. This protein forms hetero-oligomers 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. Read-through transcription also exists between this gene and the downstream chromosome 6 open reading frame 26 (C6orf26) gene. [provided by RefSeq, Feb 2011],

Function : function:Involved in meiotic recombination. Facilitate crossovers between homologs during meiosis.,similarity:Belongs to the DNA mismatch repair mutS family.,subunit:Heterooligomer of MSH4 and MSH5. Interacts with HJURP.,tissue specificity:Ubiquitous, but highly expressed in testis, and thymus.,

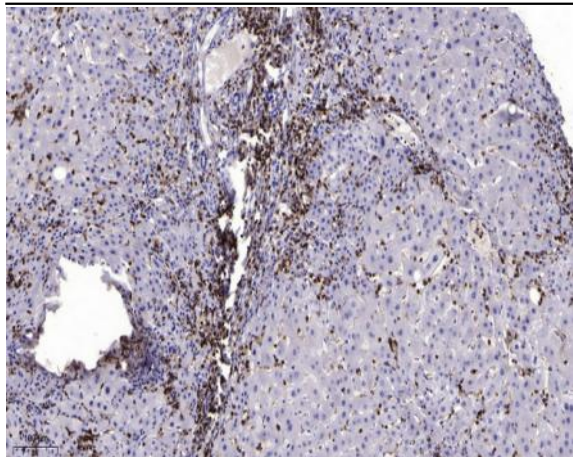
Subcellular Location : synaptonemal complex,mismatch repair complex,

Expression : 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).

Products Images



Western blot analysis of lysates from 3T3 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).