

MutS Protein Homolog 2(MSH2) (ABT21R) rabbit mAb

Catalog No :	YM7268
Reactivity :	Human;
Applications :	WB; IHC; ELISA
Target :	MSH2
Fields :	>>Platinum drug resistance;>>Mismatch repair;>>Pathways in cancer;>>Colorectal cancer
Gene Name :	MSH2
Protein Name :	MutS Protein Homolog 2(MSH2)
Human Gene Id :	3662
Human Swiss Prot No :	P43246
Immunogen :	Synthesized peptide derived from human MutS Protein Homolog 2(MSH2) AA range:600-700
Specificity :	This antibody detects endogenous levels of MSH2
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	105kD
Function :	disease:Defects in MSH2 are a cause of Muir-Torre syndrome (MTS) [MIM:158320]. MTS is a rare autosomal dominant disorder characterized by

sebaceous neoplasms and visceral malignancy.,disease:Defects in MSH2 are a cause of susceptibility to endometrial cancer [MIM:608089].,disease:Defects in MSH2 are the cause of hereditary non-polyposis colorectal cancer type 1 (HNPCC1) [MIM:120435]. Mutations in more than one gene locus can be involved alone or in combination in the production of the HNPCC phenotype (also called Lynch syndrome). Most families with clinically recognized HNPCC have mutations in either MLH1 or MSH2 genes. HNPCC is an autosomal, dominantly inherited disease associated with marked increase in cancer susceptibility. It is characterized by a familial predisposition to early onset colorectal carcinoma (CRC) and extra-colonic cancers of the gastrointestinal, urological and femal

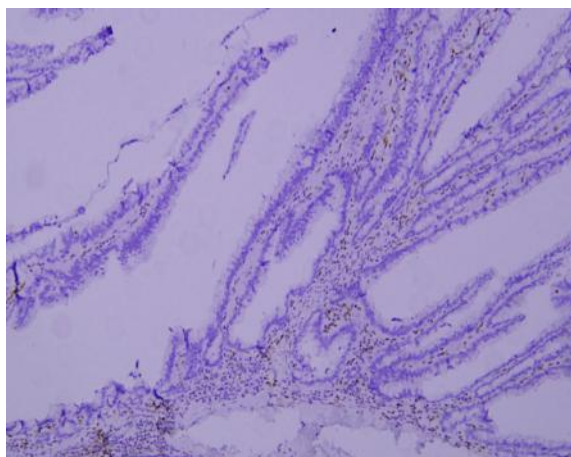
Subcellular Location :

Nucleus . Chromosome .

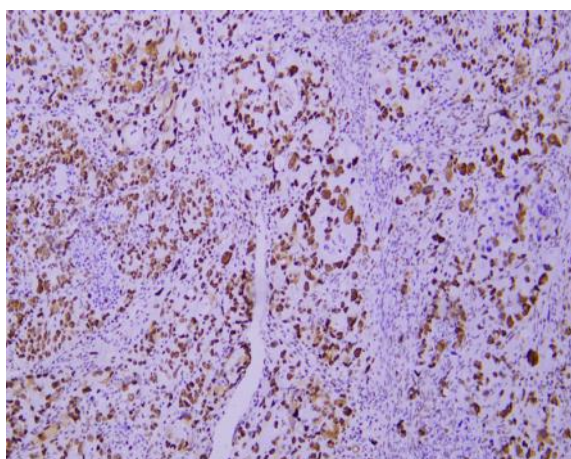
Expression :

Ubiquitously expressed.

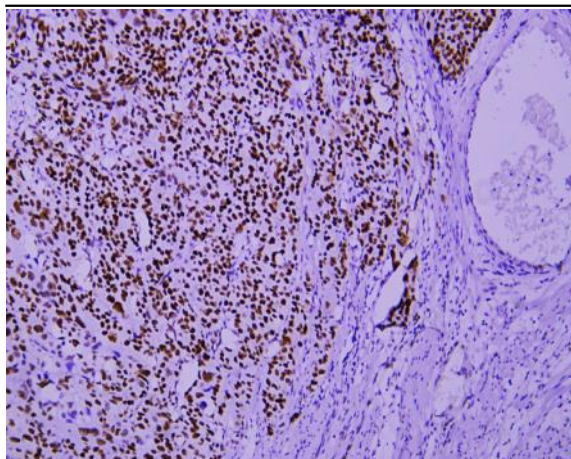
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Immunohistochemical analysis of paraffin-embedded human Colon adenocarcinomas with loss of PMS2 expression. 1, Antibody was incubated at 4° overnight. 2, TRIS-EDTA of pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded human Colon adenocarcinomas with normal PMS2 expression.4. 1, Antibody was incubated at 4° overnight. 2, TRIS-EDTA of pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded human Colon adenocarcinomas with normal PMS2 expression. 1, Antibody was incubated at 4° overnight. 2, TRIS-EDTA of pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).