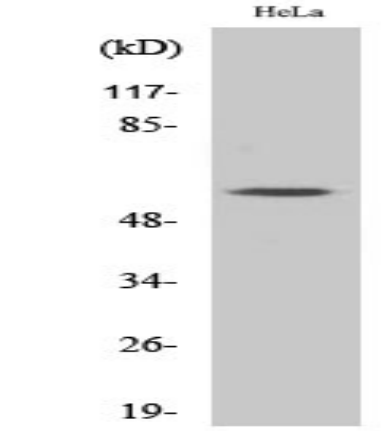
Best Tools for immunology Research

MYH Polyclonal Antibody

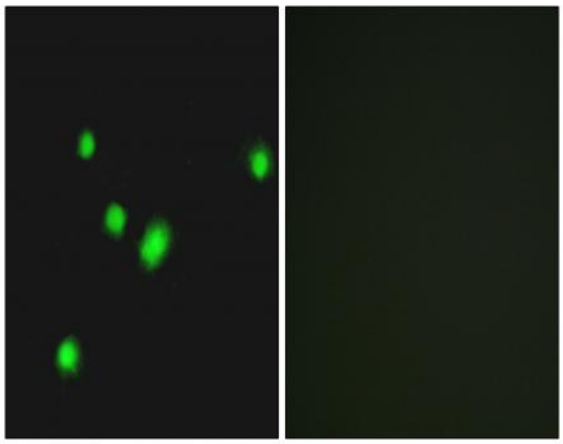
Catalog No :	YT2932
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	MYH
Fields :	>>Base excision repair
Gene Name :	MUTYH
Protein Name :	A/G-specific adenine DNA glycosylase
Human Gene Id :	4595
Human Swiss Prot No :	Q9UIF7
Mouse Gene Id :	70603
Mouse Swiss Prot No :	Q99P21
Rat Gene Id :	170841
Rat Swiss Prot No :	Q8R5G2
Immunogen :	The antiserum was produced against synthesized peptide derived from human MUTYH. AA range:151-200
Specificity :	MYH Polyclonal Antibody detects endogenous levels of MYH protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

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)
Observed Band :	60kD
Cell Pathway :	Base excision repair;
Background :	This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. Mutations in this gene result in heritable predisposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
Function :	cofactor:Binds 1 4Fe-4S cluster. The cluster is not important for the catalytic activity, but which is probably involved in the proper positioning of the enzyme along the DNA strand.,disease:Defects in MUTYH are a cause of autosomal recessive colorectal adenomatous polyposis [MIM:608456].,disease:Defects in MUTYH are a cause of gastric cancer [MIM:137215].,function:Involved in oxidative DNA damage repair. Initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. Possesses both adenine and 2-OH-A DNA glycosylase activities.,similarity:Belongs to the nth/mutY family.,similarity:Contains 1 nudix hydrolase domain.,
Subcellular Location :	Nucleus . Mitochondrion .
Expression :	Kidney,
Sort :	10458
No4 :	1

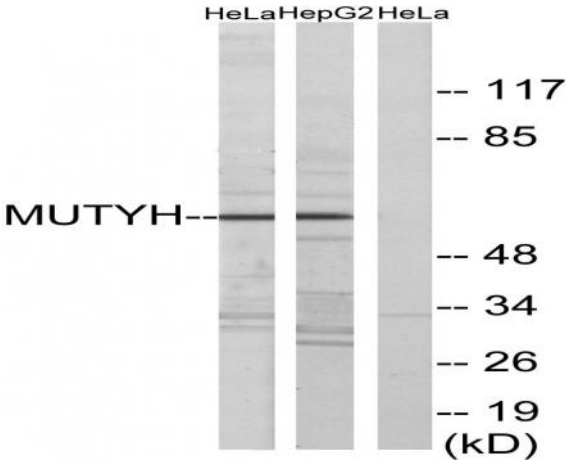
Products Images



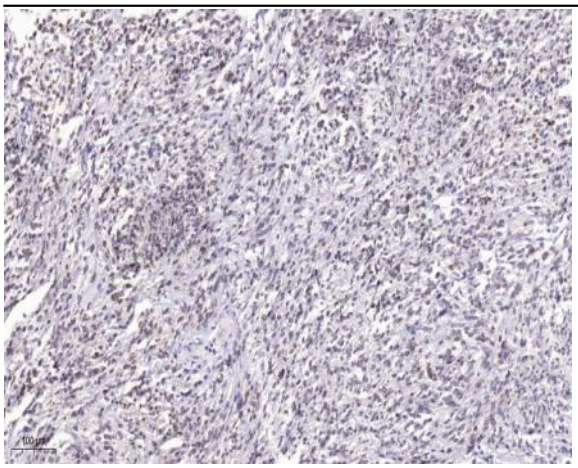
Western Blot analysis of various cells using MYH Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunofluorescence analysis of A549 cells, using MUTYH Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa and HepG2 cells, using MUTYH Antibody. The lane on the right is blocked with the synthesized peptide.



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