

产品名称: MYH Rabbit Polyclonal Antibody
产品货号: APRab14286



产品概述 (Summary)

产品名称 (Production Name)	MYH Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MUTYH
别名 (Alternative Names)	MUTYH; MYH; A/G-specific adenine DNA glycosylase; MutY homolog; hMYH
基因 ID (Gene ID)	4595.0
蛋白 ID (SwissProt ID)	Q9UIF7.The antiserum was produced against synthesized peptide derived from human MUTYH. AA range:151-200

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	60kDa

研究背景 (Background)

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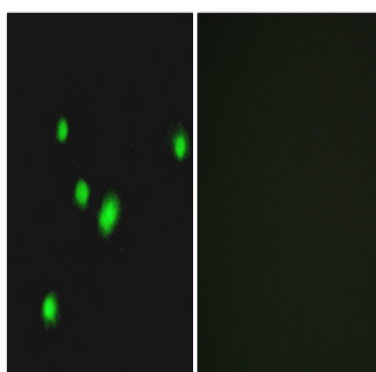


This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to 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],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.,

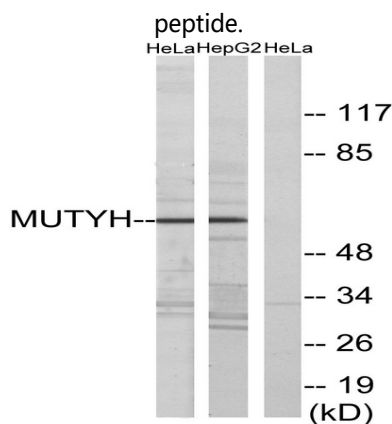
研究领域 (Research Area)

Base excision repair;

图片 (Image Data)



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

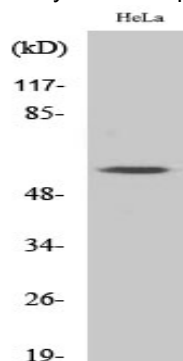


Western blot analysis of lysates from HeLa and HepG2 cells, using MUTYH Antibody. The lane on the right is blocked with

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the synthesized peptide.



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) .

注意事项 (Note)

For research use only .