

Immunotag™ MYH Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2932
Product Description	Immunotag™ MYH Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MYH
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from MYH, at AA range: 120-200
Specificity	MYH Polyclonal Antibody detects endogenous levels of MYH protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	MUTYH
Accession No.	Q9UIF7 Q99P21 Q8R5G2
Alternate Names	MUTYH; MYH; A/G-specific adenine DNA glycosylase; MutY homolog; hMYH

Antibody Specification

Description	mutY DNA glycosylase(MUTYH) Homo sapiens 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],
Cell Pathway/ Category	Base excision repair,
Protein Expression	Kidney,
Subcellular Localization	nucleus,nucleoplasm,mitochondrion,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.