ARG67107
anti-MUTYH antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MUTYH
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MUTYH
Species	Human
Immunogen	Human MUTYH Synthesized peptide
Conjugation	Un-conjugated
Alternate Names	MUTYH; MutY DNA Glycosylase MYH; Adenine DNA Glycosylase; MutY Homolog; A/G-Specific Adenine DNA Glycosylase; MutY Homolog (E. Coli); MutY-Like Protein; EC 3.2.2.31; EC 3.2.2; HMYH

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200-1:1000
IHC-P	1:100-1:300
WB	1:500-2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

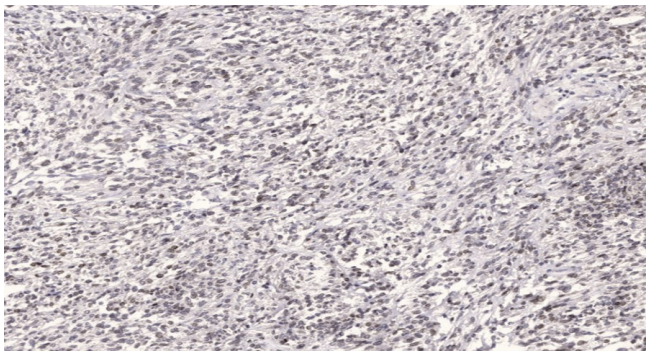
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

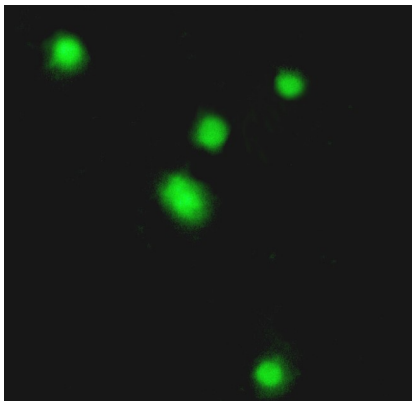
Gene Symbol	MUTYH
Gene Full Name	MutY DNA Glycosylase
Background	This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. This gene product is thought to play a role in signaling apoptosis by the introduction of single-strand breaks following oxidative damage. Mutations in this gene result in heritable predisposition to colorectal cancer, termed MUTYH-associated polyposis (MAP). Multiple transcript variants encoding different isoforms have been found for this gene.
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.
Calculated Mw	60 kDa
Cellular Localization	Mitochondrion, Nucleus

Images



ARG67107 anti-MUTYH antibody IHC-P image

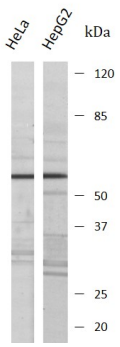
Immunohistochemistry: Human Small intestinal stained with ARG67107 anti-MUTYH antibody at 1:200 dilution.



ARG67107 anti-MUTYH antibody ICC/IF image

Immunofluorescence: A549 stained with ARG67107 anti-MUTYH antibody

ARG67107 anti-MUTYH antibody WB image



Western blot: HeLa and HepG2 stained with ARG67107 anti-MUTYH antibody at 1:1000 dilution.