ARG44427
anti-MUTYH antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MUTYH
Tested Reactivity	Hu, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MUTYH
Species	Human
Immunogen	Human MUTYH recombinant protein (aa. sequence: M1-R559).
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

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6 cells
WB	0.25-0.5 µg/ml

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

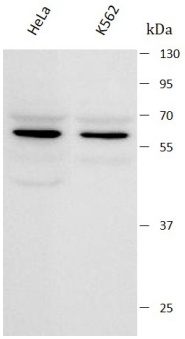
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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 or below. 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

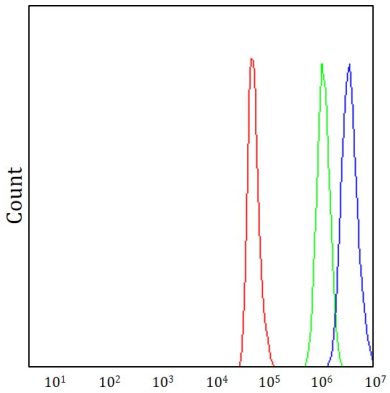
Gene Symbol	MUTYH
Gene Full Name	MutY DNA Glycosylase
Background	This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a 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



ARG44427 anti-MUTYH antibody WB image

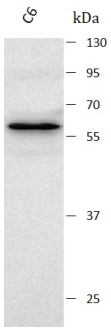
Western blot: HeLa and K562 stained with ARG44427 anti-MUTYH antibody at 0.5 µg/mL dilution.



ARG44427 anti-MUTYH antibody FACS image

Flow Cytometry: HeLa stained with ARG44427 anti-MUTYH antibody at 1 µg/10^6 cells dilution.

ARG44427 anti-MUTYH antibody WB image



Western blot: C6 stained with ARG44427 anti-MUTYH antibody at 0.5 µg/mL dilution.