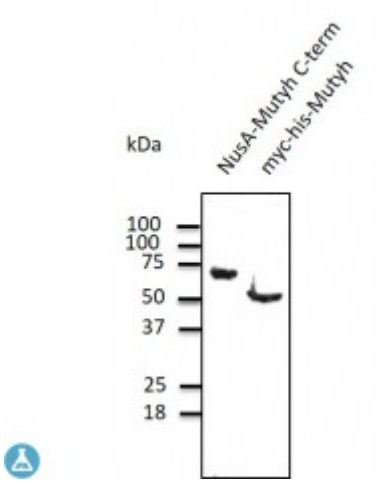
Anti-MUTYH antibody



Description	polyclonal antibody to MUTYH. MUTYH is involved in oxidative DNA damage repair. It nicks DNA replication errors, specifically A/G mismatches.

Model	STJ140046
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	WB
Immunogen	Purified recombinant peptide derived from within residues 476 aa to the C-terminus of human Mutyh produced in E. coli.
Immunogen Region	C-Term
Gene ID	4595
Gene Symbol	MUTYH
Dilution range	Western blot 1:500-1:2,000 Immunofluorescence ND Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
Specificity	In 293HEK cells transfected with cds plasmid (myc-his-Mutyh) detects a band of 50 kDa by Western blot.
Purification	This antibody is epitope-affinity purified from goat antiserum.
Note	For research use only (RUO).
Protein Name	Adenine DNA glycosylase MutY homolog hMYH
Molecular Weight	61 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:7527OMIM:604933
Alternative Names	Adenine DNA glycosylase MutY homolog hMYH
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. {ECO:0000269|PubMed:10684930, ECO:0000269|PubMed:20418187, ECO:0000269|PubMed:20848659, ECO:0000269|PubMed:25820570, ECO:0000269|PubMed:26694661}.
Cellular Localization	Nucleus . Mitochondrion .
Post-translational Modifications	Adenine DNA glycosylase (EC 3.2.2.-) (MutY homolog) (hMYH)