GEN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GEN1, Polyclonal Antibody
Full Product Name	GEN1 Polyclonal Conjugated Antibody
Product Gene Name	anti-GEN1 antibody
Product Synonym Names	GEN1 Conjugated Antibody; GEN1; Gen; flap endonuclease GEN homolog 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	103kDa
OMIM	612449
3D Structure	ModBase 3D Structure for Q17RS7
Immunogen	Recombinant fusion protein of human GEN1 (NP_872431.3).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-GEN1 antibody	Most Applications
Application Notes for anti-GEN1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-GEN1 antibody	This gene encodes a member of the Rad2/xeroderma pigmentosum group G nuclease family, whose members are characterized by N-terminal and internal xeroderma pigmentosum group G nuclease domains followed by helix-hairpin-helix domains and disordered C-terminal domains. The protein encoded by this gene is involved in resolution of Holliday junctions, which are intermediate four-way structures that covalently link DNA during homologous recombination and double-strand break repair. The protein resolves Holliday junctions by creating dual incisions across the junction to produce nicked duplex products that can be ligated. In addition, this protein has been found to localize to centrosomes where it has been implicated in regulation of centrosome integrity. Alternative splicing results in multiple transcript variants.

Other Notes	Small volumes of anti-GEN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GEN1 purchase	MBS9439140 is an antibody targeting GEN1. Also known as GEN1 Polyclonal Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GEN1. It may not necessarily be applicable to this product.

NCBI GI #	194018531
NCBI Accession #	NP_872431.3
UniProt Primary Accession #	Q17RS7
GenBank Nucleotide #	NP_872431.3
NCBI Official Full Name	flap endonuclease GEN homolog 1
UniProt Protein Name	Flap endonuclease GEN homolog 1
Protein Family	Flap endonuclease
UniProt Gene Name	GEN1
UniProt Entry Name	GEN_HUMAN
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Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/gen1/9439140