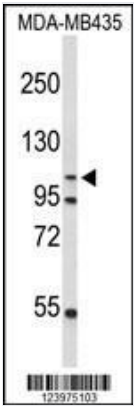
GEN1 Antibody – Rabbit Polyclonal

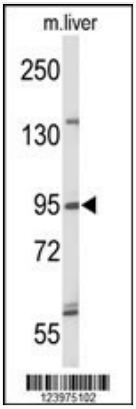
PRODUCT OVERVIEW

Product Name	GEN1, Polyclonal Antibody
Full Product Name	GEN1, NT (GEN1, Flap endonuclease GEN homolog 1) (APC)
Product Gene Name	anti-GEN1 antibody
Product Synonym Names	GEN1; Flap endonuclease GEN homolog 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	102,884 Da
OMIM	612449
3D Structure	ModBase 3D Structure for Q17RS7
Immunogen	GEN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67~97 amino acids from the N-terminal region of human GEN1.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-GEN1 antibody	Antibodies; Enzymes; Endonuclease
Applications Tested/Suitable for anti-GEN1 antibody	Western Blot (WB), FLISA
Application Notes for anti-GEN1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GEN1 antibody	Endonuclease which cleaves flap structures at the junction between single-stranded DNA and double-stranded DNA. Specific for 5'-overhanging flap structures in which the 5'-upstream of the flap is completely double-stranded. Prefers the blocked-flap structures similar to those occurring at replication forks, in which the 5' single-strand overhang of the flap is double-stranded (By similarity).
Product References and Citations for anti-GEN1 antibody	Ip, S.C., et al. Nature 456(7220):357-361(2008). Ishikawa, G., et al. Nucleic Acids Res. 32(21):6251-6259(2004).
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	MBS6301930 is an antibody targeting GEN1. Also known as GEN1, NT (GEN1, Flap endonuclease GEN homolog 1) (APC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-GEN1 antibody
Western blot analysis of GEN1 Antibody (N-term) in MDA-MB435 cell line lysates (35ug/lane). GEN1 (arrow) was detected using the purified Pab;



Western Blot (WB) of anti-GEN1 antibody
Western blot analysis of GEN1 Antibody (N-term) in mouse liver tissue lysates (35ug/lane). GEN1 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

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

NCBI GI #	194018535
NCBI GeneID	348654
NCBI Accession #	NP_001123481.1
UniProt Primary Accession #	Q17RS7
UniProt Secondary Accession #	Q17RS9; Q6ZN37
UniProt Related Accession #	Q17RS7
GenBank Nucleotide #	NM_001130009.1
NCBI Official Full Name	flap endonuclease GEN homolog 1
NCBI Official Synonym Full Names	GEN1 Holliday junction 5' flap endonuclease
NCBI Official Symbol	GEN1
NCBI Official Synonym Symbols	Gen
UniProt Protein Name	Flap endonuclease GEN homolog 1
Protein Family	Flap endonuclease
UniProt Gene Name	GEN1
UniProt Entry Name	GEN_HUMAN
NCBI Protein Information	flap endonuclease GEN homolog 1; Gen endonuclease homolog 1; Gen homolog 1, endonuclease; Holliday junction resolvase
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