REV3L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	REV3L, Polyclonal Antibody
Full Product Name	REV3L Polyclonal Antibody
Product Gene Name	anti-REV3L antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	344kDa; 352kDa
OMIM	602776
3D Structure	ModBase 3D Structure for O60673
Immunogen	Recombinant protein of human REV3L (NP_002903.3).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-REV3L antibody	Western Blot (WB)
Application Notes for anti-REV3L antibody	WB: 1:500-1:2000
Related Product Information for anti-REV3L antibody	The protein encoded by this gene represents the catalytic subunit of DNA polymerase zeta, which functions in translesion DNA synthesis. The encoded protein can be found in mitochondria, where it protects DNA from damage. Defects in this gene are a cause of Mobius syndrome.
Other Notes	Small volumes of anti-REV3L 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 REV3L purchase	MBS8566682 is an antibody targeting REV3L. Also known as REV3L Polyclonal Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for REV3L. It may not necessarily be applicable to this product.

NCBI GI #	153792012
NCBI GeneID	5980
NCBI Accession #	NP_002903.3
UniProt Primary Accession #	O60673
UniProt Related Accession #	O60673

GenBank Nucleotide #	NP_002903.3
NCBI Official Full Name	DNA polymerase zeta catalytic subunit isoform a
NCBI Official Synonym Full Names	REV3 like, DNA directed polymerase zeta catalytic subunit
NCBI Official Symbol	REV3L
NCBI Official Synonym Symbols	POLZ; REV3
UniProt Protein Name	DNA polymerase zeta catalytic subunit
UniProt Synonym Protein Names	Protein reversionless 3-like
UniProt Gene Name	REV3L
UniProt Synonym Gene Names	POLZ; REV3; REV3-like; hREV3
UniProt Entry Name	DPOLZ_HUMAN
NCBI Protein Information	DNA polymerase zeta catalytic subunit
UniProt Comments for REV3L	REV3: the DNA polymerase zeta catalytic subunit. Catalyzes the production of N diphosphate + {DNA}N from N deoxynucleoside triphosphate. Involved in translesion synthesis and required for the production of UV- and other DNA fork-blocking-induced mutations, as well as the majority of spontaneous mutations. Protein type: Transferase; EC 2.7.7.7; DNA replication Chromosomal Location of Human Ortholog: 6q21 Cellular Component: nucleoplasm; zeta DNA polymerase complex; nucleolus; nucleus Molecular Function: protein binding; DNA binding; metal ion binding; 4 iron, 4 sulfur cluster binding; DNA-directed DNA polymerase activity; nucleotide binding Biological Process: error-prone postreplication DNA repair; DNA-dependent DNA replication; DNA repair
Research Articles on REV3L	**1.** These data provide a model whereby interbase H-bonding interactions at the DNA terminus promote lesion bypass and extension by human DNA polymerase zeta.
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