POLN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	POLN, Polyclonal Antibody
Full Product Name	POLN, CT (POLN, DNA polymerase nu) (MaxLight 490)
Product Gene Name	anti-POLN antibody
Product Synonym Names	POLN; DNA polymerase nu
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
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: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	100,307 Da
OMIM	610887
3D Structure	ModBase 3D Structure for Q7Z5Q5
Immunogen	POLN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 650-679 amino acids from the C-terminal region of human POLN.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-POLN antibody	Antibodies; Enzymes; Polymerase
Applications Tested/Suitable for anti-POLN antibody	Western Blot (WB), FLISA
Application Notes for anti-POLN antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-POLN antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.
Product References and Citations for anti-POLN antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Yamanaka, K., et al. Chem. Res. Toxicol. 23(3):689-695(2010). Moldovan, G.L., et al. Mol. Cell. Biol. 30(4):1088-1096(2010). Zietlow, L., et al. Biochemistry 48(49):11817-11824(2009). Arana, M.E., et al. DNA Repair (Amst.) 6(2):213-223(2007).
Other Notes	Small volumes of anti-POLN 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 POLN purchase	MBS6335648 is an antibody targeting POLN. Also known as POLN, CT (POLN, DNA polymerase nu) (MaxLight 490). Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	112420958
NCBI GeneID	353497
NCBI Accession #	NP_861524.2
UniProt Primary Accession #	Q7Z5Q5
UniProt Secondary Accession #	Q4TTW4; Q6ZNF4; A2A336; B4E158
UniProt Related Accession #	Q7Z5Q5
GenBank Nucleotide #	NM_181808.2
NCBI Official Full Name	DNA polymerase nu
NCBI Official Synonym Full Names	polymerase (DNA directed) nu
NCBI Official Symbol	POLN
NCBI Official Synonym Symbols	POL4P
UniProt Protein Name	DNA polymerase nu
Protein Family	DNA polymerase
UniProt Gene Name	POLN
UniProt Entry Name	DPOLN_HUMAN
NCBI Protein Information	DNA polymerase nu; DNA polymerase N; DNA polymerase POL4P
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