



DNA pol λ Monoclonal Antibody

Catalog No	YP-mAb-01664
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	POLL
Immunogen	The antiserum was produced against synthesized peptide derived from human DNA Polymerase lambda. AA range:451-500
Specificity	DNA pol λ Monoclonal Antibody detects endogenous levels of DNA pol λ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DNA polymerase beta-2;DNA polymerase lambda;EC:2.7.7.7;Pol Lambda;DNA pol λ;POLL;Pol beta2;DNA polymerase kappa
Observed Band	63kD
Calculated Molecular Weight	63kD
Cell Pathway	Nucleus . Chromosome . Accumulates at sites of DNA damage. .
Tissue Specificity	Expressed in a number of tissues. Abundant in testis.
Function	catalytic activity:Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1).,cofactor:Manganese.,function:Repair polymerase. Involved in base excision repair (BER) responsible for repair of lesions that give rise to abasic (AP) sites in DNA. Has both DNA polymerase and terminal transferase activities. Has a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity., PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity:Belongs to the DNA polymerase type-X family.,similarity:Contains 1 BRCT domain.,subunit:Bounds PCNA.,tissue specificity:Expressed in a number of tissues. Abundant in testis.,



Background

This gene encodes a DNA polymerase. DNA polymerases catalyze DNA-template-directed extension of the 3'-end of a DNA strand. This particular polymerase, which is a member of the X family of DNA polymerases, likely plays a role in non-homologous end joining and other DNA repair processes. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2010],

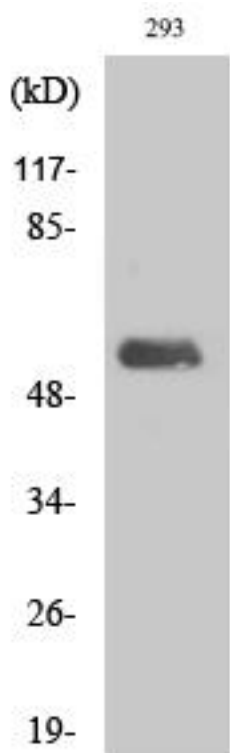
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using DNA pol
λ Monoclonal Antibody