

POLI

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:80kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human POLI

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

e

Synonym:

RAD30B; RAD30B;

Catalog #:A1942

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:11201

Isotype:IgG

Swiss Prot:Q9UNA4

Purity:Affinity purification

For research use only.

Background:

Mammalian Pol owns an unusual combination of properties: it is stimulated by Mn²⁺ ions, can bypass some DNA lesions and misincorporates G opposite template T more frequently than incorporates the correct A. [PMID:21304950] It also was shown to possess dRP lyase activity. In addition, Pol is much more efficient in the presence of Mn²⁺ in comparison to Mg²⁺. [PMID:17609217]. It has been proposed that POLI involves in immunoglobulin somatic hypermutation (SHM), bypass of deaminated cytosines, several adducts of the purine bases. DNA strand crosslinks and is involved in DNA repair under oxidative stress. [PMID:15199127]

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