

## 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  $\theta$  owns an unusual combination of properties: it is stimulated by  $Mn^{2+}$  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  $\theta$  is much more efficient in the presence of  $Mn^{2+}$  in comparison to  $Mg^{2+}$ . [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]

*To place an order, please [Click HERE](#).*