

## POLH

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

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

**Calculated MW:**78kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human POLH

**Storage Buffer:**

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

**Concentration:**

e

**Synonym:**

FLJ16395; FLJ21978; RAD30; RAD30A; XP-V; XPV;

**Catalog #:**A1833

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5429

**Isotype:**IgG

**Swiss Prot:**Q9Y253

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a member of the Y family of specialized DNA polymerases. It copies undamaged DNA with a lower fidelity than other DNA-directed polymerases. However, it accurately replicates UV-damaged DNA; when thymine dimers are present, this polymerase inserts the complementary nucleotides in the newly synthesized DNA, thereby bypassing the lesion and suppressing the mutagenic effect of UV-induced DNA damage. This polymerase is thought to be involved in hypermutation during immunoglobulin class switch recombination. Mutations in this gene result in XPV, a variant type of xeroderma pigmentosum. [provided by RefSeq, Jul 2008]

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