BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# POLH Polyclonal Antibody

## Description

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|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP13215 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 100ul, 50ul, 20ul |
| **Immunogen** | Synthesized peptide derived from part region of human protein |
| **Mol wt** | N/A |
| **Species reactivity** | Human, Mouse |
| **Clonality** | Polyclonal |
| **Recommended application** | WB, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | DNA polymerase eta |
| **Synonyms** | DNA polymerase eta ;EC 2.7.7.7;RAD30 homolog A;Xeroderma pigmentosum variant type protein |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## 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. Several transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

## Images

No images.

## Storage

-20°C for 1 year

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