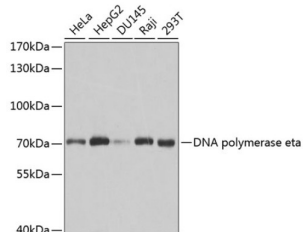
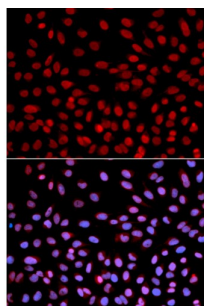


DNA Polymerase Eta (POLH) Antibody

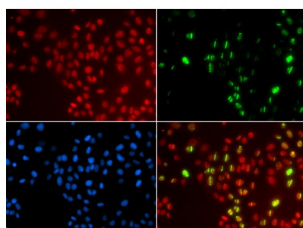
Catalogue No.: abx001515



Western blot analysis of extracts of various cell lines using DNA polymerase eta Antibody (1/1000 dilution).



Immunofluorescence analysis of U2OS cells using DNA polymerase eta Antibody



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using DNA polymerase eta Antibody

POLH Antibody is a Rabbit Polyclonal antibody against POLH. 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].

Target: DNA Polymerase Eta (POLH)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: WB, IF/ICC

Host: Rabbit

Datasheet

Version: 3.0.0
Revision date: 25 Jun 2025



Recommended dilutions: WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant fusion protein corresponding to human DNA polymerase eta

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: Q9Y253 ([UniProt](#), [ExPASy](#))

Gene Symbol: POLH

GenelD: [5429](#)

NCBI Accession: NP_006493.1

String: [9606.ENSP00000361310](#)

Molecular Weight: Calculated MW: 46 kDa/78 kDa
Observed MW: 70 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.