

DNAxPAb

Hard-to-Find
Antibody

POLH DNAxPab

Catalog # H00005429-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human POLH DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MATGQDRVVALVDMDCFFVQVEQRQNPHLRNKPCAVVQYKSWKGGGIIAVSYEARAFGVTRSM
WADDAKKLCPDLLLAQVRESRGKANLTKYREASVEVMEIMSRFAVIERASIDEAYVDLTSVQER
LQKLQGGQIPISADLLPSTYIEGLPQGPTTAEETVQKEGMRKQGLFQWLDLQIDNLTSPDLQLTVGA
VIVEEMRAAIERETGFQCSAGISHNKVLAKLACGLNKPNRQTLVSHGSVPQLFSQMPIRKIRSLGG
KLGASVIEILGIEYMGELTQFTESQLQSHFGEKNGSWLYAMCRGIEHDPVKPRQLPKTIGCSKNFP
GKTALATREQVQWWLLQLAQELEERLTKDRNDNDRVATQLVVSIRVQGDKRLSSLRRCALTRY
DAHKMSHDAFTVIKNCNTSGIQTEWSPPLTMLFLCATKFSASAPSSSTDITSFLSSDPSSLPKVPV
TSSEAKTQGGSPAVTATKKATTSLSEFFQKAAERQKVKEASLSSLTAPTQAPMSNSPSKPSLPF
QTSQSTGTEPFFKQKSLLLKQKQLNNSVSSPQQNPWSNCKALPNSLPTEYPGCVPVCEGVSK
LEESSKATPAEMDLAHNSQSMHASSASKSVLEVTQKATPNPSLLAEDQVPCEKCGSLVPVWD
MPEHMDYHFALELQKSFLQPHSSNPQVVSAVSHQGKRNPKSPLACTNKRPRPEGMQTLESFFK
PLTH

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — POLH

Entrez GeneID [5429](#)

GeneBank Accession# [NM_006502.1](#)

Protein Accession# [NP_006493.1](#)

Gene Name POLH

Gene Alias FLJ16395, FLJ21978, RAD30, RAD30A, XP-V, XPV

Gene Description polymerase (DNA directed), eta

Omim ID [278750 603968](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000016478|OTTHUMP00000039868

Disease

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Melanoma](#)

- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Sunburn](#)
- [Urinary Bladder Neoplasms](#)
- [Xeroderma Pigmentosum](#)