

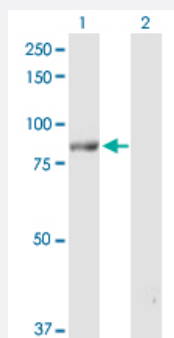
MaxPab®

POLH purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005429-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of POLH expression in transfected 293T cell line ([H00005429-T02](#)) by POLH MaxPab polyclonal antibody.

Lane 1: POLH transfected lysate(78.40 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human POLH protein.

Immunogen

POLH (NP_006493.1, 1 a.a. ~ 713 a.a) full-length human protein.

Sequence

MATGQDRVVALVDMDCFFVQVEQRQNPHLRNKPCAVVQYKSWKGGGIIAVSYEARAFGVTRSM
WADDAKKLCPDLLLAQVRESRGKANLTKYREASVEVMEIMSRFAVIERASIDEAYVDLTSVQER
LQKLQGGQIPISADLLPSTYIEGLPQGPTTAEETVQKEGMRKQGLFQWLDLQIDNLTSPDLQLTVGA
VIVEEMRAAIERETGFQCSAGISHNKVLAKLACGLNKPQRQLVSHGSPQLFSQMPIRKIRSLGG
KLGASVIEILGIEYMGELTQFTESQLQSHFGEKNGSWLYAMCRGIEHDPVKPRQLPKTIGCSKNFP
GKTALATREQVQWWLLQLAQELEERLTKDRNDNDRVATQLVVSIRVQGDKRLSSLRCCALTRY
DAHKMSHDAFTVIKNCNTSGIQTEWSPPLTMLFLCATKFSASAPSSSTDITSFLSSDPSSLPKVPV
TSSEAKTQGGSPAVTATKKATTSLSEFFQKAAERQKVKEASLSSLTAPTQAPMSNSPSKPSLPF
QTSQSTGTEPFFKQKSLLLKQKQLNNSVSSPQQNPWSNCKALPNSLPTEYPGCVPVCEGVSK
LEESSKATPAEMDLAHSQSMHASSASKSVLEVTTQKATPNPSLLAEDQVPCEKCGSLVPVWD
MPEHMDYHFALELQKSFLQPHSSNPQVVSAVSHQGKRNPKSPLACTNKRPRPEGMQTLESFFK
PLTH

Host

Rabbit

Reactivity

Human

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)

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

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 XP V, 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](#)