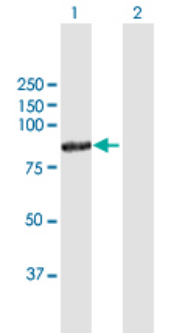
MaxPab®

POLH MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005429-D01 Size 100 uL

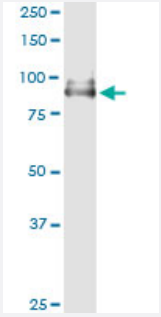
Applications



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(78.4 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of POLH transfected lysate using anti-POLH MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with POLH purified MaxPab mouse polyclonal antibody (B01P) (H00005429-B01P).

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 WADDAKKLCPDLLLAQVRESRGKANLTKYREASVEVMEIMSRFAVIERASIDEAYVDLTSAVQER LQKLQGQPISADLLPSTYIEGLPQGPTTAEETVQKEGMRKQGLFQWLDSLQIDNLTSPDLQLTVGA VIVEEMRAAIERETGFQCSAGISHNKVLAKLACGLNKPNRQTLVSHGSVPQLFSQMPIRKIRSLGG KLGASVIEILGIEYMGELTQFTESQLQSHFGEKNGSWLYAMCRGIEHDPVKPRQLPKTIGCSKNFP GKTALATREQVQWWLLQLAQELEERLTKDRNDNDRVATQLVVSIRVQGDKRLSSLRRCCALTRY DAHKMSHDAFTVIKNCNTSGIQTEWSPPLTMLFLCATKFSASAPSSSTDITSFLSSDPSSLPKVPV TSSEAKTQGSGPAVTATKKATTSLESFFQKAAERQKVKEASLSSLTAPTQAPMSNSPSKPSLPF QTSQSTGTEPFFKQKSLLLKQKQLNNSSVSSPQQNPWSNCKALPNSLPTEYPGCVPVCEGVSK LEESSKATPAEMDLAHNSQSMHASSASKSVLEVTQKATPNPSLLAAEDQVPCEKCGSLVPVWD MPEHMDYHFALELQKSFLQPHSSNPQVVSAVSHQGKRNPKSPLACTNKRPRPEGMQTLESFFK PLTH
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

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  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 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