

Rabbit anti-Human PolH Polyclonal Antibody | anti-PolH antibody

Rabbit anti-PolH Antibody, Affinity Purified

CATALOG # AAA211367	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PolH; Polyclonal Antibody; Rabbit anti-PolH Antibody; Affinity Purified; RAD30 homolog A; xeroderma pigmentosum variant type protein; XPV; RAD30A; polymerase (DNA) eta; polymerase (DNA directed); eta; DNA polymerase eta; XP-V; RAD30; anti-PolH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-PolH antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse
Immunogen	Between 663 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PolH by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-PolH antibody AAA211367 (lot AAA211367-3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human PolH by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Hela cells prepared using NETN lysis buffer. Antibodies: Affinity purified Rabbit anti-PolH antibody AAA211367 (lot AAA211367-3) used for IP at 6 ug per reaction. PolH was also immunoprecipitated by a previous lot of this antibody (lot AAA211367-2) and rabbit anti-PolH antibody For blotting immunoprecipitated PolH, AAA211367 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-PolH antibody	PolH is a DNA polymerase specifically involved in DNA repair and somatic hypermutation. Defects in PolH result in a variant type of xeroderma pigmentosum, a disease characterized by sunlight hypersensitivity, increased incidence of cancer, and neurological abnormalities.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5729982
NCBI GeneID	5429
NCBI Accession #	NP_006493.1
NCBI GenBank Nucleotide #	NM_006502.2
UniProt Accession #	Q9Y253; Q7L8E3; Q96BC4; Q9BX13; Q5JTF2
Molecular Weight	78,413 Da
NCBI Official Full Name	DNA polymerase eta
NCBI Official Synonym Full Names	polymerase (DNA directed), eta
NCBI Official Symbol	POLH
NCBI Official Synonym Symbols	XPV; XP-V; RAD30; RAD30A; FLJ16395; FLJ21978
NCBI Protein Information	DNA polymerase eta; RAD30 homolog A; OTTHUMP00000016478; OTTHUMP00000016480; xeroderma pigmentosum variant type protein
UniProt Protein Name	DNA polymerase eta
UniProt Gene Name	POLH
UniProt Synonym Gene Names	RAD30; RAD30A; XPV
UniProt Entry Name	POLH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.