

POLH 抗原（重组蛋白）

中文名称：POLH 抗原（重组蛋白）

英文名称：POLH Antigen (Recombinant Protein)

别名：DNA polymerase eta; XPV; XP-V; RAD30; RAD30A

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 215-414 amino acids of human POLH

技术规格：

Full name:	DNA polymerase eta
Synonyms:	XPV; XP-V; RAD30; RAD30A
Swissprot:	Q9Y253
Gene Accession:	BC015742
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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. Several transcript variants encoding different isoforms have been found for this gene.

