Anti-POLH antibody

Cat. No.	ml225422
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-POLH rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Fusion protein of human POLH
Reactivity	Human, Mouse
Content	1.08 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	POLH
Full name	DNA polymerase eta
Synonyms	XPV; XP-V; RAD30; RAD30A
Swissprot	Q9Y253

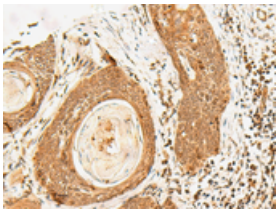
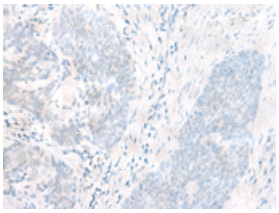
Target Background

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.

Applications

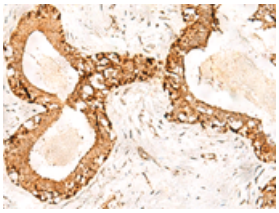
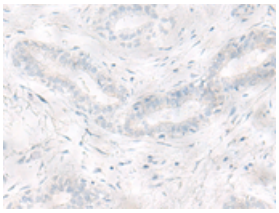
Immunohistochemistry

Predicted cell location: Nucleus
Positive control: Human esophagus cancer
Recommended dilution: 50-300

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml225422(POLH Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Nucleus
Positive control: Human breast cancer
Recommended dilution: 50-300

The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml225422(POLH Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

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