

DNA polymerase eta Polyclonal Antibody

catalog number: **E-AB-67345**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

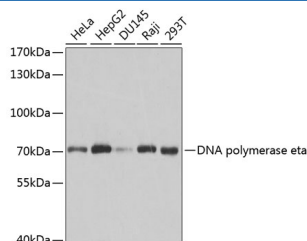
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human DNA polymerase eta (NP_006493.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

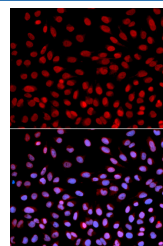
Applications

WB	1:500-1:2000
IF	1:50-1:200

Data



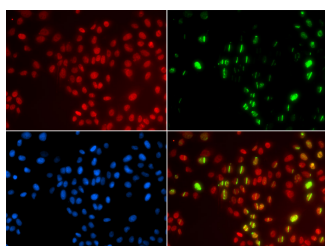
Western blot analysis of extracts of various cell lines using DNA polymerase eta Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence analysis of U2OS cells using DNA polymerase eta Polyclonal Antibody

Observed-MV:70 kDa

Calculated-MV:46 kDa/78 kDa



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using DNA polymerase eta Polyclonal Antibody

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

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.

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