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	Recommended Dilution

- Pprioucions	
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.

Observed-MW:70 kDa Calculated-MW: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

Immunofluorescence analysis of U2OS cells using DNA polymerase eta Polyclonal Antibody

Elabscience®

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.

For Research Use Only