

DNA polymerase eta polyclonal antibody

Catalog: BS6695

Host: Rabbit

Reactivity: Human, Mouse

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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

70KDa

Swiss-Prot:

Q9Y253

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:200

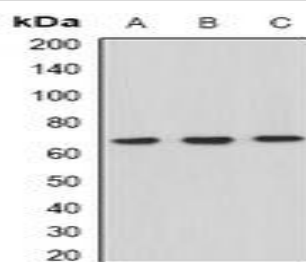
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

DNA polymerase eta polyclonal antibody detects endogenous levels of DNA polymerase eta protein.

DATA:

Western blot analysis of DNA polymerase eta expression in HeLa (A), HepG2 (B), Raji (C) whole cell lysates.



Immunofluorescent analysis of DNA polymerase eta staining in HepG2 cells.

Note:

For research use only, not for use in diagnostic procedure.

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