

ERCC5/XPG (E160) polyclonal antibody

Catalog: BS1973

Host: Rabbit

Reactivity: Human

BackGround:

Seven complementation groups (A-G) of xeroderma pigmentosum have been described. The xeroderma pigmentosum group A protein, XPA, is a zinc metalloprotein which preferentially binds to DNA damaged by ultraviolet (UV) radiation and chemical carcinogens. XPA is a DNA repair enzyme that has been shown to be required for the incision step of nucleotide excision repair. XPG (also designated ERCC5) is an endonuclease that makes the 3' incision in DNA nucleotide excision repair. Mammalian XPG is similar in sequence to yeast RAD2. Conserved residues in the catalytic center of XPG are important for nuclease activity and function in nucleotide excision repair.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 133, 200 kDa

Swiss-Prot:

P28715

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: 1:500~1:1000

IHC: 1:50~1:200

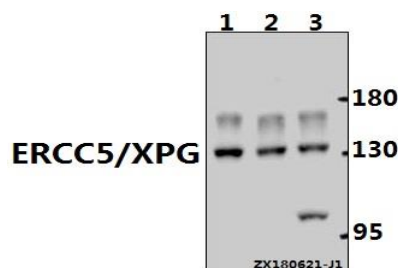
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

XPG (E160) polyclonal antibody detects endogenous levels of XPG protein.

DATA:

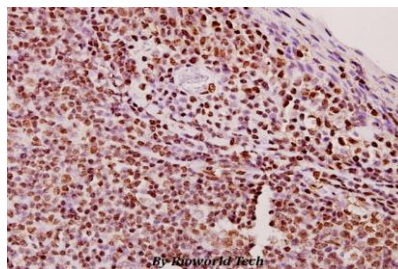


Western blot (WB) analysis of ERCC5/XPG (E160) pAb at 1:1000 dilution

Lane1:PC3 whole cell lysate(40ug)

Lane2:SGC7901 whole cell lysate(20ug)

Lane3:HCT116 whole cell lysate(20ug)



Immunohistochemistry (IHC) analyzes of ERCC5/XPG (E160) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

Note:

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

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