

XPG Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP09618

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human ERCC5. AA range:131-180

Mol wt 133307

Species reactivity Human

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name XPG Antibody

Synonyms ERCC5; ERCM2; XPG; XPGC; DNA repair protein complementing XP-G cells; DNA excision repair

protein ERCC-5; Xeroderma pigmentosum group G-complementing protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ERCC5 encodes a single-strand specific DNA endonuclease that makes the 3' incision in DNA excision repair following UV-induced damage. DNA repair protein complementing XP-G cells may also function in other cellular processes, including RNA polymerase II transcription, and transcription-coupled DNA repair. Mutations in this gene cause xeroderma pigmentosum complementation group G (XP-G), which is also referred to as xeroderma pigmentosum VII (XP7), a skin disorder characterized by hypersensitivity to UV light and increased susceptibility for skin cancer development following UV exposure. Some patients also develop Cockayne syndrome, which is characterized by severe growth defects, mental retardation, and cachexia. Read-through transcription exists between this gene and the neighboring upstream BIVM (basic, immunoglobulin-like variable motif containing) gene.

Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 5000

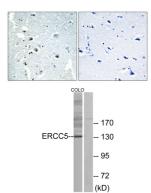
Not yet tested in other applications.

Images

(kD) COLO398

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Western Blot analysis of various cells using XPG Polyclonal Antibody diluted at 1:2000. Secondary antibody was diluted at 1:20000 cells nucleus.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at $1:100(4^{\circ}$ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Western blot analysis of lysates from COLO cells, using ERCC5 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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