Anti-Human ERCC5 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA06143

3th Edition

Description:ERCC5 encodes a single-strand specific DNA endonuclease that makes the 3' incision in DNA excision repair following UV-induced damage. The protein 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.ERCC5 (ERCC Excision Repair 5, Endonuclease) is a Protein Coding gene. Diseases associated with ERCC5 include Xeroderma Pigmentosum, Group G and Cerebrooculofacioskeletal Syndrome 3. Among its related pathways are Nucleotide excision repair and Chks in Checkpoint Regulation. GO annotations related to this gene include protein homodimerization activity and protein N-terminus binding. An important paralog of this gene is BIVM-ERCC5.

Antigen: Synthesized peptide derived from the N-terminal region of human XPG

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: