

ERCC5 Rabbit pAb

Catalog No.: A1605

Basic Information

Observed MW

Refer to figures

Calculated MW

133kDa

Category

Primary antibody

Applications

ELISA, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene 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, cognitive disability, and cachexia. Read-through transcription exists between this gene and the neighboring upstream BIVM (basic, immunoglobulin-like variable motif containing) gene.

Recommended Dilutions

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

2073

Swiss Prot

P28715

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human ERCC5 (NP_000114.2).

Synonyms

XPG; UVDR; XPGC; COFS3; ERCC2; ERCC5-201; ERCC5

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

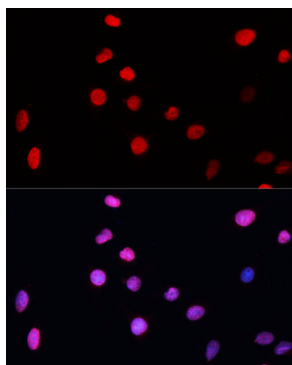
Affinity purification

Storage

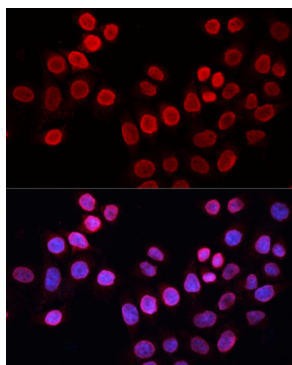
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

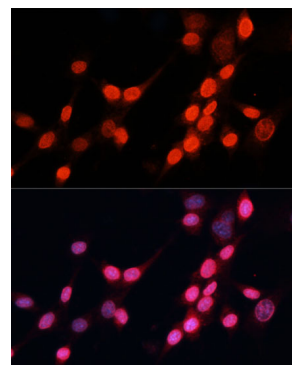
Validation Data



Immunofluorescence analysis of C6 cells using ERCC5 Polyclonal Antibody (A1605) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using ERCC5 Polyclonal Antibody (A1605) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using ERCC5 Polyclonal Antibody (A1605) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.