

ERCC5 Rabbit mAb

Catalog No.: A22922 **Recombinant**

Basic Information

Observed MW

133kDa

Calculated MW

133kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human

CloneNo number

ARC3142

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

WB 1:500 - 1:1000**IHC-P** 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2073

Swiss Prot

P28715

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

XPG; UVDR; XPGC; COFS3; ERCM2; ERCC5-201; ERCC5

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

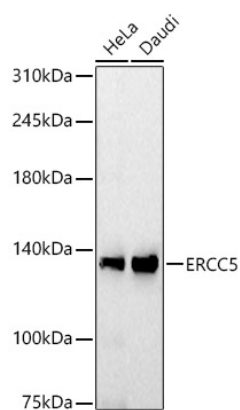
Affinity purification

Storage

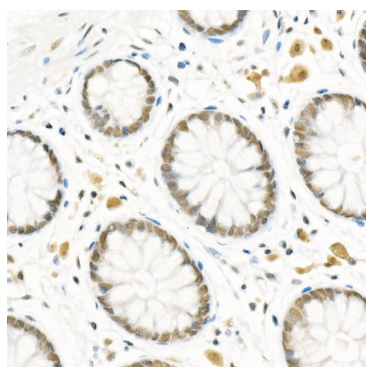
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: 59% PBS with 0.01% Sodium azide, 0.05% BSA, 40% Glycerol, pH 7.2

Validation Data



Western blot analysis of various lysates, using ERCC5 Rabbit mAb (A22922) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human colon using ERCC5 Rabbit mAb (A22922) at dilution of 1:100 (40x lens).
High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.