

XPC Rabbit pAb

Catalog No.: A8354

2 Publications

Basic Information

Observed MW

130kDa

Calculated MW

106kDa

Category

Primary antibody

Applications

WB, IHC-P, IP, ELISA

Cross-Reactivity

Human

Background

The protein encoded by this gene is a key component of the XPC complex, which plays an important role in the early steps of global genome nucleotide excision repair (NER). The encoded protein is important for damage sensing and DNA binding, and shows a preference for single-stranded DNA. Mutations in this gene or some other NER components can result in Xeroderma pigmentosum, a rare autosomal recessive disorder characterized by increased sensitivity to sunlight with the development of carcinomas at an early age. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:2000**IHC-P** 1:50 - 1:200**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

7508

Swiss Prot

Q01831

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

XP3; RAD4; XPCC; p125; XPC

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

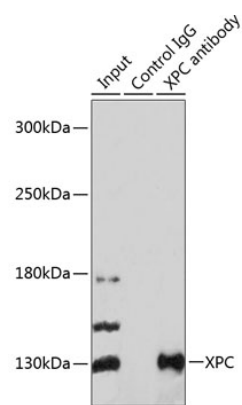
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

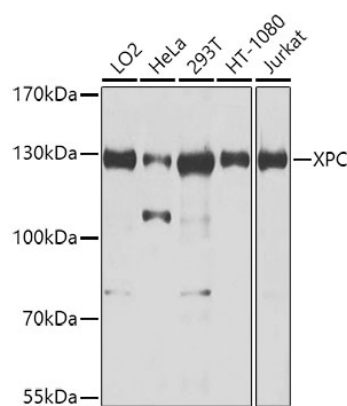
Contact

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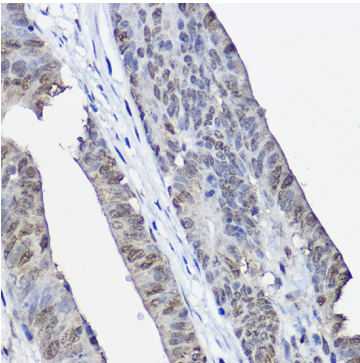
Validation Data



Immunoprecipitation analysis of 200 µg extracts of 293T cells using 3 µg XPC antibody (A8354). Western blot was performed from the immunoprecipitate using XPC antibody (A8354) at a dilution of 1:1000.



Western blot analysis of various lysates using XPC Rabbit pAb (A8354) 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 Enhanced Kit (RM00021). Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using XPC Rabbit pAb (A8354) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.