A19241
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XPD/ERCC2 Rabbit mAb

Catalog No.: A19241 Recombinant

Basic Information

Observed MW
80kDa

Calculated MW
87kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human,Mouse,Rat

CloneNo number
ARC2401

Background

The nucleotide excision repair pathway is a mechanism to repair damage to DNA. The protein encoded by this gene is involved in transcription-coupled nucleotide excision repair and is an integral member of the basal transcription factor BTF2/TFIIH complex. The gene product has ATP-dependent DNA helicase activity and belongs to the RAD3/XPD subfamily of helicases. Defects in this gene can result in three different disorders, the cancer-prone syndrome xeroderma pigmentosum complementation group D, trichothiodystrophy, and Cockayne syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

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

Immunogen Information

Gene ID
2068

Swiss Prot
P18074

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 600-700 of human XPD/ERCC2 (P18074).

Synonyms
EM9; TTD; XPD; TTD1; COFS2; TFIIH; XPD/ERCC2

Contact

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Product Information

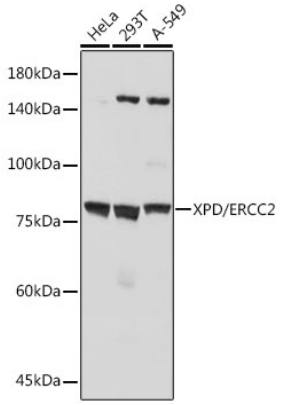
Source
Rabbit

Isotype
IgG

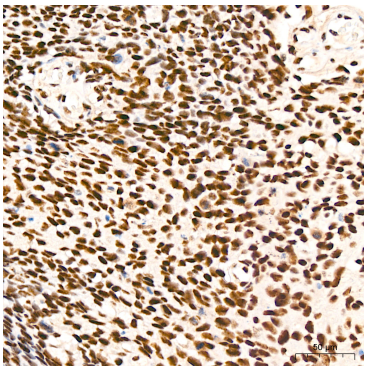
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

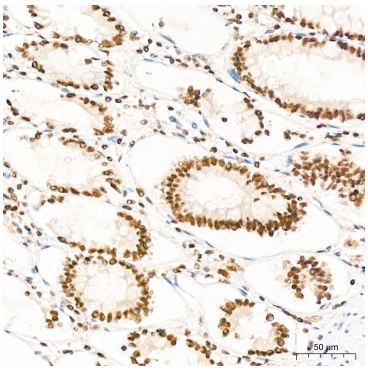
Validation Data



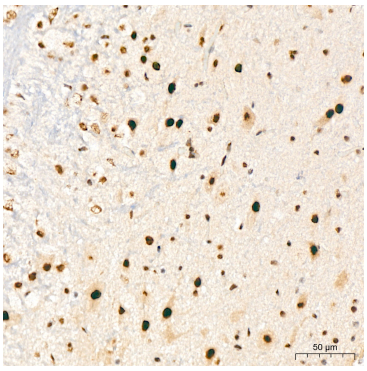
Western blot analysis of various lysates using XPD/ERCC2 Rabbit mAb (A19241) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



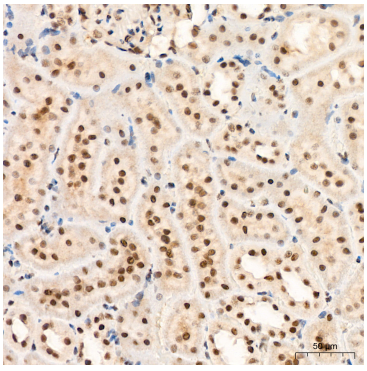
Immunohistochemistry analysis of XPD/ERCC2 in paraffin-embedded human cervix cancer tissue using XPD/ERCC2 Rabbit mAb (A19241) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



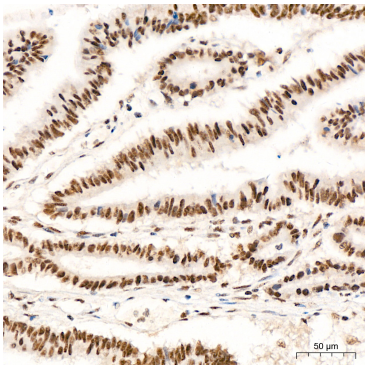
Immunohistochemistry analysis of XPD/ERCC2 in paraffin-embedded human colon tissue using XPD/ERCC2 Rabbit mAb (A19241) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of XPD/ERCC2 in paraffin-embedded mouse brain tissue using XPD/ERCC2 Rabbit mAb (A19241) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of XPD/ERCC2 in paraffin-embedded rat kidney tissue using XPD/ERCC2 Rabbit mAb (A19241) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of XPD/ERCC2 in paraffin-embedded human colon carcinoma tissue using XPD/ERCC2 Rabbit mAb (A19241) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.