

ERCC1 Rabbit mAb

Catalog No: #49432

Package Size: #49432-1 50ul #49432-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

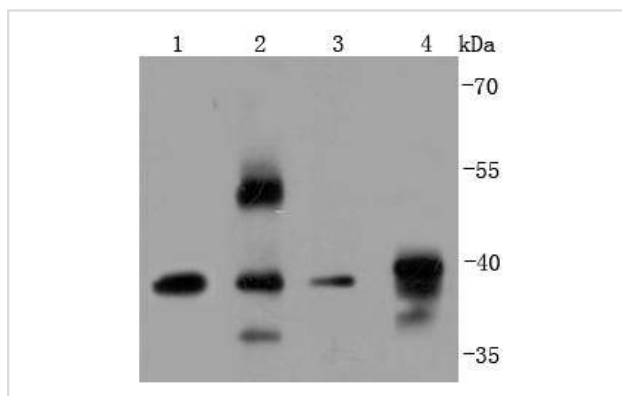
Description

Product Name	ERCC1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	COFS 4 antibody COFS4 antibody DNA excision repair protein ERCC 1 antibody DNA excision repair protein ERCC-1 antibody DNA excision repair protein ERCC1 antibody ERCC 1 antibody ERCC1 antibody ERCC1_HUMAN antibody Excision repair cross complementation group 1 antibody Excision repair cross complementing 1 antibody Excision Repair Cross Complementing Rodent Repair Deficiency Complementation Group 1 antibody Excision repair protein antibody RAD 10 antibody RAD10 antibody UV 20 antibody UV20 antibody
Accession No.	Swiss-Prot#:P07992
Uniprot	P07992
GeneID	2067;
Calculated MW	36 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

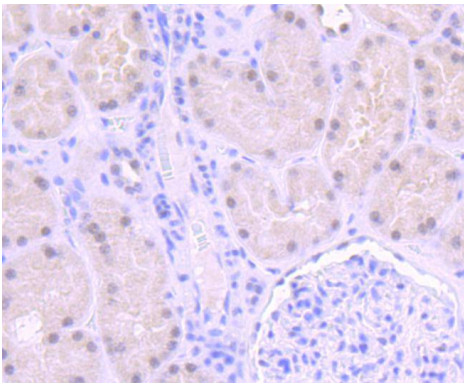
Application Details

WB: 1:1,000 IHC: 1:50-1:100 ICC: 1:50

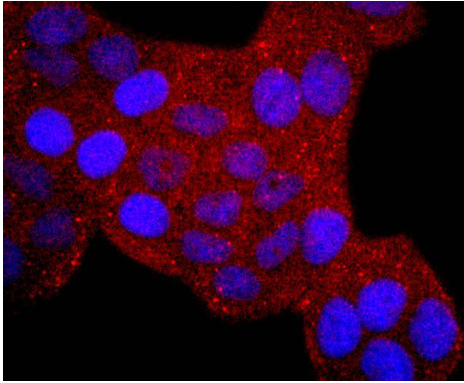
Images



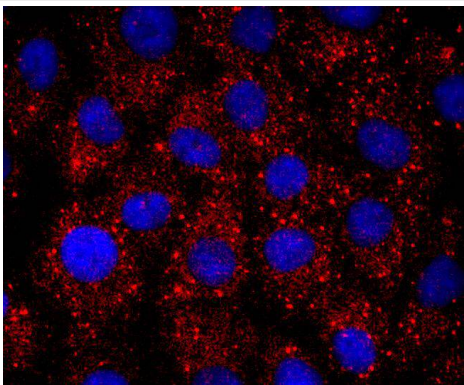
Western blot analysis of ERCC1 on different lysates using anti-ERCC1 antibody at 1/1,000 dilution. Positive control:
 Lane 1: Hela Lane 2: Human lung Lane 3: 293T Lane 4: A549



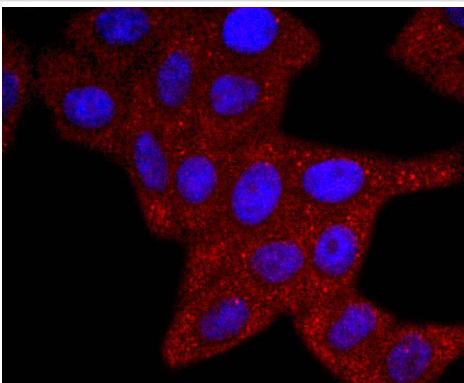
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ERCC1 antibody. Counter stained with hematoxylin.



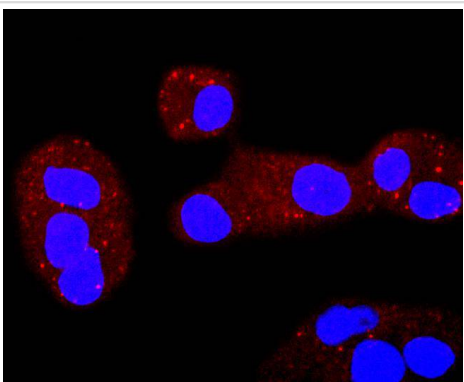
ICC staining ERCC1 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



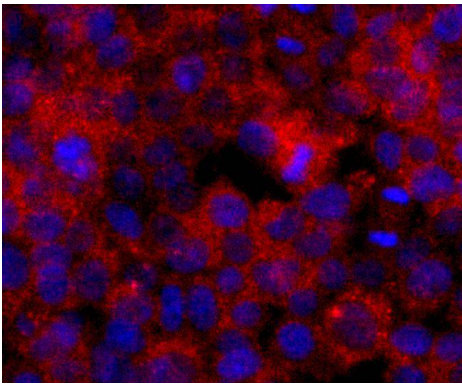
ICC staining ERCC1 in A549 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ERCC1 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ERCC1 in PANC-1 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ERCC1 in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Xeroderma pigmentosum (XP) is an autosomal recessive disorder characterized by a genetic predisposition to sunlight-induced skin cancer; it is commonly due to deficiencies in DNA repair enzymes. The most frequent mutations are found in the XP genes from group A through G and group V, which encode for nucleotide excision repair proteins. XPF, which is also designated ERCC4 or ERCC11, associates directly with the excision repair cross-complementing 1 (ERCC1) factor. ERCC-1, a functional homolog of Rad10 in *S. cerevisiae*, is a component of a structure-specific endonuclease that is responsible for 5' incisions during DNA repair. The ERCC1-XPF endo-nuclease preferentially cleaves one strand of DNA between duplex and single-stranded regions near borders of the stem-loop structure and, thereby, contributes to the initial steps of the nucleotide excision repair process.

References

Note: This product is for in vitro research use only