

Name: anti-ERCC1 mouse monoclonal antibody, clone 4F9

Catalog: UM500008

Product Data Sheet - UltraMAB

Gene Name: Homo sapiens excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence) (ERCC1), transcript variant 2
GeneBank accession: NM_001983
Isotype: IgG1

Reactivity: Human
Test application: WB
Clone Name: Clone 4F9

Gene Synonym: COFS4; RAD10; UV20

Guaranteed Applications: WB, IHC, IF

Suggested Dilutions: WB 1:2000, IHC 1:50, IF 1:100,

Immunogen: Protein expressed in 293T cell transfected with human ERCC1 expression vector

Components:

- anti-ERCC1 mouse monoclonal antibody, clone 4F9 (UM500008)

Amount:

UM500008 100ul

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Buffer: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification:

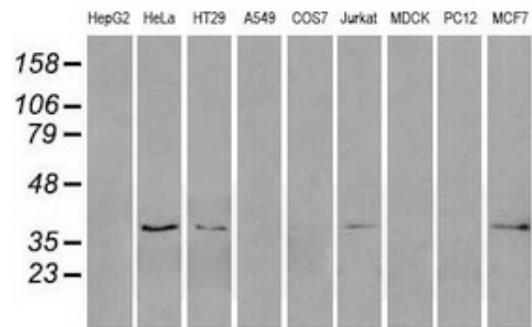
Purified from mouse ascites fluids by affinity chromatography

Background:

The product of this gene functions in the nucleotide excision repair pathway, and is required for the repair of DNA lesions such as those induced by UV light or formed by electrophilic compounds including cisplatin. The encoded protein forms a heterodimer with the XPF endonuclease (also known as ERCC4), and the heterodimeric endonuclease catalyzes the 5' incision in the process of excising the DNA lesion. The heterodimeric endonuclease is also involved in recombinational DNA repair and in the repair of inter-strand crosslinks. Mutations in this gene result in cerebrooculofacioskeletal syndrome, and polymorphisms that alter expression of this gene may play a role in carcinogenesis. Multiple transcript variants encoding different isoforms have been found for this gene. The last exon of this gene overlaps with the CD3e molecule, epsilon associated protein gene on the opposite strand.

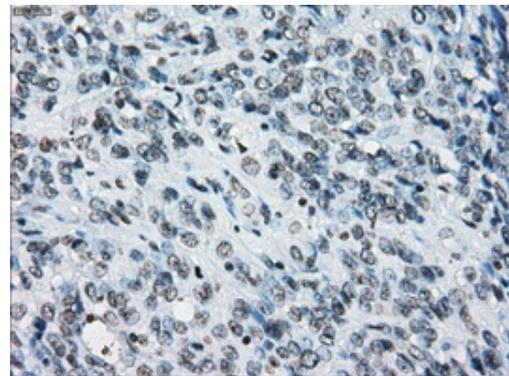
Validation Data:

Western Blot



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ERCC1 monoclonal antibody (Clone 4F9).

IHC data



Immunohistochemical staining of paraffin-embedded Carcinoma of bladder tissue using anti-ERCC1 mouse monoclonal antibody. (Clone 4F9, Dilution 1:50)

Related Product:

TrueORF cDNA clones
VERIFY Tagged Antigen lysates
HuSH-29 shRNA
Western Blot reagents
Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

* More validation images may be available on our website:

<http://www.origene.com/antibody/UM500008.aspx>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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