

Datasheet for ABIN6140263
anti-ERCC1 antibody (AA 1-323)

3 Images

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Overview

Quantity:	100 µL
Target:	ERCC1
Binding Specificity:	AA 1-323
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERCC1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-323 of human ERCC1 (NP_973730.1).
Sequence:	MDPGKDKEGV PQPSGPPARK KFIPLDEDE VPPGVAKPLF RSTQSLPTVD TSAQAAPQTY AEYAIQPLE GAGATCPTGS EPLAGETPNQ ALKPGAKSNS IIVSPRQRGN PVLKFVRNVP WFGDVIPDY VLGQSTCALF LSLRYHNLHP DYIHGRLQSL GKNFALRVLL VQVDVKDPQQ ALKELAKMCI LADCTLILAW SPEEAGRYLE TYKAYEQKPA DLLMEKLEQD FVSRVTECLT TVKSVNKTDS QTLTTFGSL EQLIAASRED LALCPGLGPQ KVRALGKNPR SWGKERAPNK HNLRPQSFKV KKEPKTRHSG FRL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: ERCC1

Alternative Name: ERCC1 ([ERCC1 Products](#))

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.,ERCC1,COFS4,RAD10,UV20,Epigenetics & Nuclear Signaling,DNA Damage & Repair,Cancer,Tumor biomarkers,ERCC1

Molecular Weight: 25 kDa/29 kDa/32 kDa/35 kDa

Gene ID: 2067

UniProt: [P07992](#)

Pathways: [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

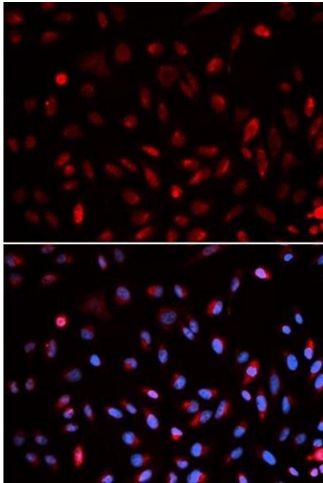
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Handling

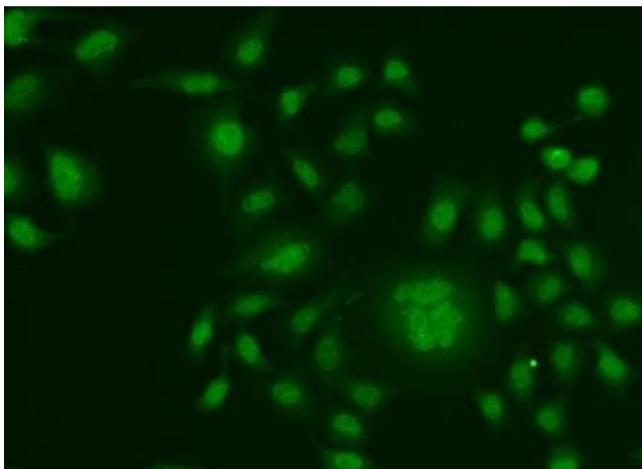
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



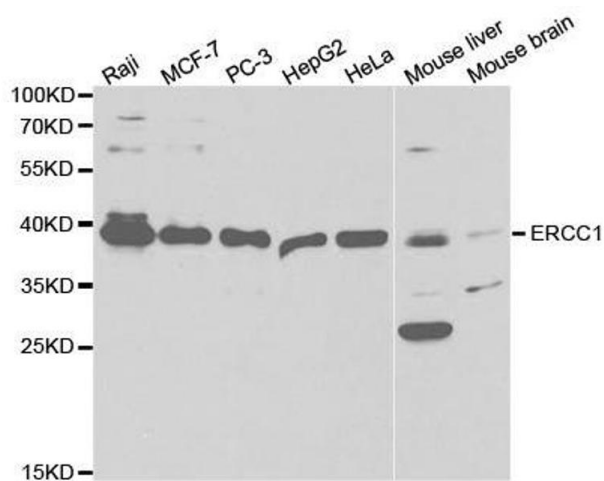
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using ERCC1 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells using ERCC1 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using ERCC1 antibody.