

Rabbit anti-Human, Mouse ERCC1 Polyclonal Antibody | anti-ERCC1 antibody

ERCC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320800	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ERCC1; Polyclonal Antibody; ERCC1 Antibody; COFS 4; COFS4; DNA excision repair protein ERCC 1; DNA excision repair protein ERCC-1; DNA excision repair protein ERCC1; ERCC 1; ERCC1_HUMAN; Excision repair cross complementation group 1; Excision repair cross complementing 1; Excision Repair Cross Complementing Rodent Repair Deficiency Complementation Group 1; Excision repair protein; RAD 10; RAD10; UV 20; UV20; anti-ERCC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ERCC1 antibody detects endogenous levels of total ERCC1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	273
Applicable Applications for anti-ERCC1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ERCC1
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (90%), Dog (100%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using ERCC1 Antibody.



IF (Immunofluorescence)

AAA320800 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

**WB (Western Blot)**

Western blot analysis on NIH-3T3 cell lysate using ERCC1 Antibody, The lane on the left is treated with the antigen-specific peptide.

**IHC (Immunohistochemistry)**

IHC analysis of mouse kidney tissue, using ERCC1 Antibody at 1:100.

ADDITIONAL INFORMATION**Related Product Information for anti-ERCC1 antibody**

Description: ERCC1 a structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA excision repair. Belongs to the ERCC1/RAD10/SWI10 family. Heterodimer composed of ERCC1 and XPF/ERRC4. Defects in ERCC1 are the cause of cerebro-oculo-facio-skeletal syndrome type 4, a degenerative autosomal recessive disorder of prenatal onset affecting the brain, eye and spinal cord.

Function: Isoform 1: Non-catalytic component of a structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA repair. Responsible, in conjunction with SLX4, for the first step in the repair of interstrand cross-links (ICL). Participates in the processing of anaphase bridge-generating DNA structures, which consist in incompletely processed DNA lesions arising during S or G2 phase, and can result in cytokinesis failure. Also required for homology-directed repair (HDR) of DNA double-strand breaks, in conjunction with SLX4.

Subunit Structure: Heterodimer composed of ERCC1 isoform 1 and XPF/ERRC4.

Similarity: Belongs to the ERCC1/RAD10/SWI10 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	260593725
NCBI GeneID	2067
NCBI Accession #	NP_001159521.1
NCBI GenBank Nucleotide #	NM_001166049.1
UniProt Accession #	P07992; Q7Z7F5; Q96S40; B2RC01; B3KRR0
Molecular Weight	Observed: 36 kDa Predicted: 33 kDa
NCBI Official Full Name	DNA excision repair protein ERCC-1 isoform 3
NCBI Official Synonym Full Names	ERCC excision repair 1, endonuclease non-catalytic subunit
NCBI Official Symbol	ERCC1
NCBI Official Synonym Symbols	UV20; COFS4; RAD10
NCBI Protein Information	DNA excision repair protein ERCC-1
UniProt Protein Name	DNA excision repair protein ERCC-1
UniProt Gene Name	ERCC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ercc1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320800>