

Rabbit anti-Human, Mouse ERCC6 Polyclonal Antibody | anti-ERCC6 antibody

ERCC6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327689	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

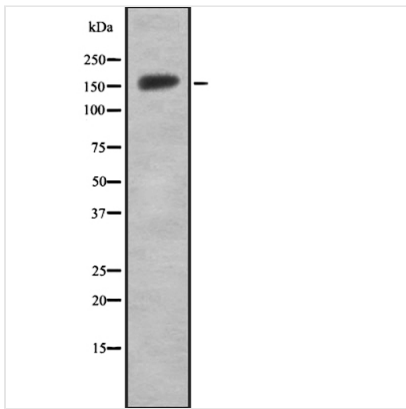
PRODUCT SYNONYMS

ERCC6; Polyclonal Antibody; ERCC6 Antibody; 4732403I04; ARMD 5; ARMD5; ATP dependent helicase ERCC6; ATP-dependent helicase ERCC6; C130058G22Rik; KKN 2; KKN2; Cockayne syndrome B protein; Cockayne syndrome group B protein; Cockayne syndrome protein CSB; COFS; COFS1; CS group B correcting; CSB; DNA excision repair protein ERCC 6; DNA excision repair protein ERCC-6; ERCC 6; ERCC6_HUMAN; Excision repair cross complementing rodent repair deficiency; complementation group 6; OTTHUMP00000019581; RAD26; Rad26 homolog; UVSS1; anti-ERCC6 antibody

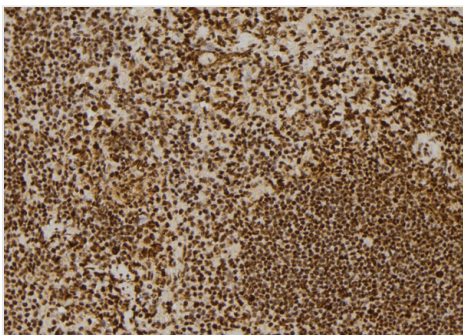
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ERCC6 antibody detects endogenous levels of total ERCC6
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	1493
Applicable Applications for anti-ERCC6 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ERCC6
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Bovine (100%), Sheep (92%), Rabbit (92%), Dog (100%), Chicken (91%), Xenopus (92%)
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 ERCC6 using HeLa whole cell lysates



IHC (Immunohistochemistry)
AAA327689 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ERCC6 antibody	Function: Essential factor involved in transcription-coupled nucleotide excision repair which allows RNA polymerase II-blocking lesions to be rapidly removed from the transcribed strand of active genes. Upon DNA-binding, it locally modifies DNA conformation by wrapping the DNA around itself, thereby modifying the interface between stalled RNA polymerase II and DNA. It is required for transcription-coupled repair complex formation. It recruits the CSA complex (DCX(ERCC8) complex), nucleotide excision repair proteins and EP300 to the at sites of RNA polymerase II-blocking lesions. Subunit Structure: Homodimer. Binds DNA. Interacts with ERCC8. Interacts with a subunit of RNA polymerase II TFIIH. Component of the B-WICH complex, at least composed of SMARCA5/SNF2H, BAZ1B/WSTF, SF3B1, DEK, MYO1C, ERCC6, MYBBP1A and DDX21. Interacts with KIAA1530/UVSSA. Post-translational Modifications: Ubiquitinated at the C-terminus. Ubiquitination by the CSA complex leads to ERCC6 proteasomal degradation in a UV-dependent manner. Stabilized following interaction with KIAA1530/UVSSA, which promotes recruitment of deubiquitinating enzyme USP7, leading to deubiquitination of ERCC6 thereby preventing UV-induced degradation of ERCC6 by the proteasome. Similarity: A C-terminal ubiquitin-binding domain (UBD) is essential for transcription-coupled nucleotide excision repair to proceed. Belongs to the SNF2/RAD54 helicase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557565
NCBI GeneID	2074
NCBI Accession #	NP_000115.1
NCBI GenBank Nucleotide #	NM_000124.3
UniProt Accession #	Q03468; Q5W0L9; D3DX94; E7EV46; P0DP91
Molecular Weight	Observed: 168 kDa Predicted: 169 kDa
NCBI Official Full Name	DNA excision repair protein ERCC-6 isoform 2
NCBI Official Synonym Full Names	ERCC excision repair 6, chromatin remodeling factor
NCBI Official Symbol	ERCC6
NCBI Official Synonym Symbols	CSB; CKN2; COFS; ARMD5; COFS1; POF11; RAD26; UVSS1; CSB-PGBD3
NCBI Protein Information	DNA excision repair protein ERCC-6; ERCC6-PGBD3 fusion protein
UniProt Protein Name	DNA excision repair protein ERCC-6
UniProt Gene Name	ERCC6

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/ercc6-antibody-immunohistochemistry-western-blot-elisa/327689>