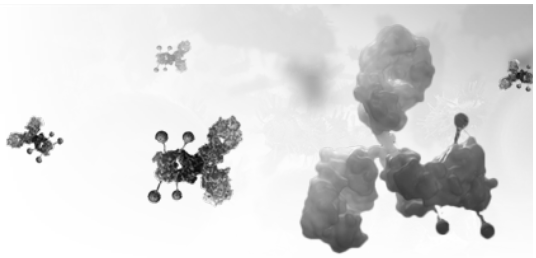

Rabbit Anti-ERCC1 monoclonal antibody, clone KN21-18 (CABT-L911)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	ERCC1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	KN21-18
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	36 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	A549, 293T, Hela, HepG2, PANC-1, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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.
Keywords	COFS 4;COFS4;DNA excision repair protein ERCC 1;DNA excision repair protein ERCC-1;DNA excision repair protein ERCC1;ERCC 1;ERCC1;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 antibody

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