ARG64667
anti-ERCC1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ERCC1
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognise both reported isoforms (NP_973730.1 and NP_001974.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ERCC1
Species	Human
Immunogen	DPGKDKEGVPQPS-C
Conjugation	Un-conjugated
Alternate Names	DNA excision repair protein ERCC-1; RAD10; COFS4; UV20

Application Instructions

Application table

Application	Dilution
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 2067 Human Swiss-port # P07992 Human
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. [provided by RefSeq, Oct 2009]
Research Area	Cancer antibody; Gene Regulation antibody
Calculated Mw	33 kDa

Images

ARG64667 anti-ERCC1 antibody WB image

Western Blot: A431 lysate (35 µg protein in RIPA buffer) stained with ARG64667 anti-ERCC1 antibody at 0.3 µg/ml dilution.