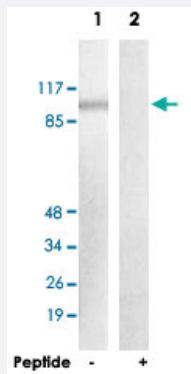


ERCC4 polyclonal antibody

Catalog # PAB17332 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using ERCC4 polyclonal antibody (Cat # PAB17332).

Peptide "+" means "with peptide blocking".

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of ERCC4.

Immunogen A synthetic peptide corresponding to internal of human ERCC4.

Host Rabbit

Reactivity Human, Mouse

Specificity This antibody detects endogenous levels of total ERCC4 protein.

Form Liquid

Recommend Usage Western Blot (1:500-1:1000)
ELISA (1:10000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using ERCC4 polyclonal antibody (Cat # PAB17332).

Peptide "+" means "with peptide blocking".

Gene Info — ERCC4

Entrez GeneID [2072](#)

Protein Accession# [Q92889](#)

Gene Name ERCC4

Gene Alias RAD1, XPF

Gene Description excision repair cross-complementing rodent repair deficiency, complementation group 4

Omim ID [133520 278760 610965](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene forms a complex with ERCC1 and is involved in the 5' incision made during nucleotide excision repair. This complex is a structure specific DNA repair endonuclease that interacts with EME1. Defects in this gene are a cause of xeroderma pigmentosum complementation group F (XP-F), or xeroderma pigmentosum VI (XP6)

Other Designations excision-repair, complementing defective, in Chinese hamster|xeroderma pigmentosum, complementation group F

Publication Reference

- [A summary of mutations in the UV-sensitive disorders: xeroderma pigmentosum, Cockayne syndrome, and trichothiodystrophy.](#)

Cleaver JE, Thompson LH, Richardson AS, States JC.

Human Mutation 1999 Jan; 14(1):9.

- [ERCC4 \(XPF\) encodes a human nucleotide excision repair protein with eukaryotic recombination homologs.](#)

Brookman KW, Lamerdin JE, Thelen MP, Hwang M, Reardon JT, Sancar A, Zhou ZQ, Walter CA, Parris CN, Thompson LH.
Molecular and Cellular Biology 1996 Nov; 16(11):6553.

- [Xeroderma pigmentosum group F caused by a defect in a structure-specific DNA repair endonuclease.](#)

Sijbers AM, de Laat WL, Ariza RR, Biggerstaff M, Wei YF, Moggs JG, Carter KC, Shell BK, Evans E, de Jong MC, Rademakers S, de Rooij J, Jaspers NG, Hoeijmakers JH, Wood RD.
Cell 1996 Sep; 86(5):811.

Application: WB-Ce, WB-Re, Hamster, Human, CHO9 cells, HeLa cells, Recombinant proteins

Pathway

- [Nucleotide excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Ataxia telangiectasia](#)
- [Bone Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Chromosome Aberrations](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Neuroma](#)

- [Obesity](#)
- [Oropharyngeal Neoplasms](#)
- [Osteosarcoma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Skin Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)
- [Xeroderma Pigmentosum](#)