Best Tools for immunology Research

ERCC4 Polyclonal Antibody

Catalog No :	YT1615
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	ERCC4
Fields :	>>Nucleotide excision repair;>>Fanconi anemia pathway
Gene Name :	ERCC4
Protein Name :	DNA repair endonuclease XPF
Human Gene Id :	2072
Human Swiss Prot No :	Q92889
Mouse Gene Id :	50505
Mouse Swiss Prot No :	Q9QZD4
Immunogen :	The antiserum was produced against synthesized peptide derived from human XPF. AA range:801-850
Specificity :	ERCC4 Polyclonal Antibody detects endogenous levels of ERCC4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 103kD

Cell Pathway : Nucleotide excision repair;

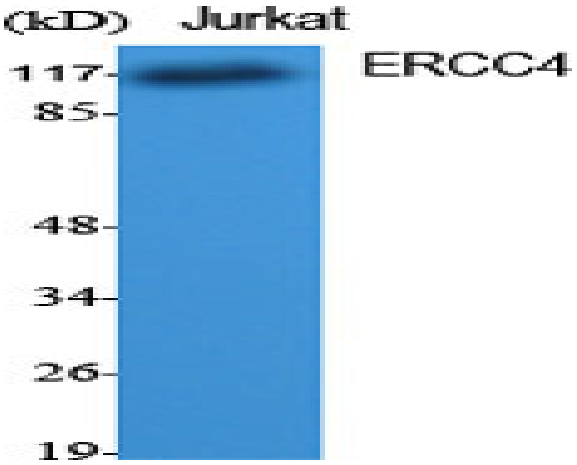
Background : The protein encoded by this gene forms a complex with ERCC1 and is involved in the 5' incision made during nucleotide excision repair. This complex is a structure specific DNA repair endonuclease that interacts with EME1. Defects in this gene are a cause of xeroderma pigmentosum complementation group F (XP-F), or xeroderma pigmentosum VI (XP6).[provided by RefSeq, Mar 2009],

Function : cofactor:Magnesium.,disease:Defects in ERCC4 are a cause of XFE progeroid syndrome [MIM:610965]. This syndrome is illustrated by one patient who presented with dwarfism, cachexia and microcephaly.,disease:Defects in ERCC4 are the cause of xeroderma pigmentosum complementation group F (XP-F) [MIM:278760]; also known as xeroderma pigmentosum VI (XP6). XP-F is an autosomal recessive disease characterized by hypersensitivity of the skin to sunlight followed by high incidence of skin cancer and frequent neurologic abnormalities.,function:Structure-specific DNA repair endonuclease responsible for the 5-prime incision during DNA repair. Involved in homologous recombination that assists in removing interstrand cross-link.,similarity:Belongs to the XPF family.,subunit:Heterodimer composed of ERCC1 and XPF/ERCC4. Interacts with EME1.,

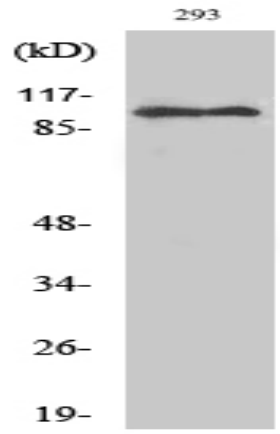
Subcellular Location : Nucleus . Chromosome . Localizes to sites of DNA damage. .

Expression : Epithelium,Fibroblast,

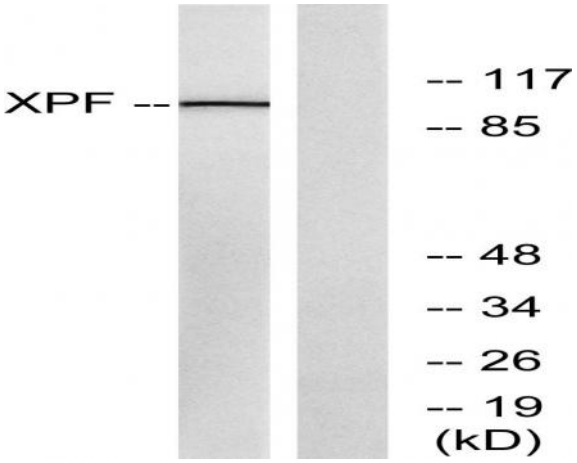
Products Images



Western Blot analysis of various cells using ERCC4 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western Blot analysis of 293 cells using ERCC4 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of lysates from 293 cells, using XPF Antibody. The lane on the right is blocked with the synthesized peptide.