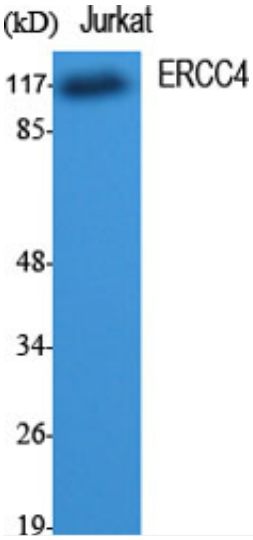
ERCC4 Polyclonal Antibody

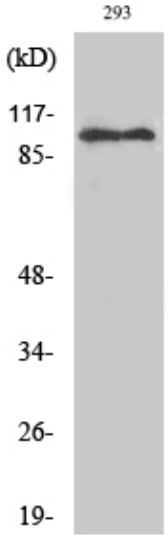
Catalog No	YP-Ab-01700
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ERCC4
Protein Name	DNA repair endonuclease XPF
Immunogen	The antiserum was produced against synthesized peptide derived from human XPF. AA range:801-850
Specificity	ERCC4 Polyclonal Antibody detects endogenous levels of ERCC4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ERCC4; ERCC11; XPF; DNA repair endonuclease XPF; DNA excision repair protein ERCC-4; DNA repair protein complementing XP-F cells; Xeroderma pigmentosum group F-complementing protein
Observed Band	103kD
Cell Pathway	Nucleus . Chromosome . Localizes to sites of DNA damage. .
Tissue Specificity	Epithelium,Fibroblast,
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.,

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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

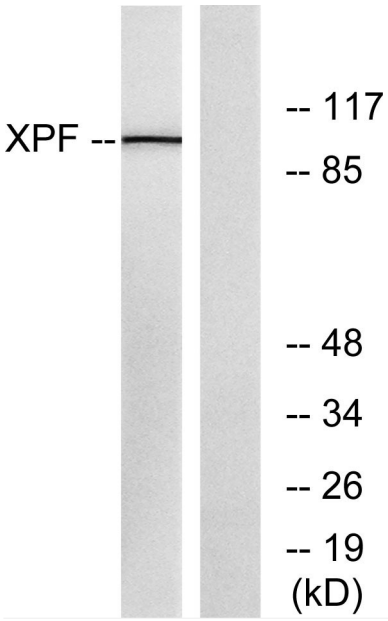
Products Images



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.