

## Product datasheet for **UM570020**

### **XPF (ERCC4) Mouse Monoclonal Antibody [Clone ID: UMAB20]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	UMAB20
<b>Applications:</b>	10k-ChIP, IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:500~2000, IF 1:100, FLOW 1:100, IHC1:500
<b>Reactivity:</b>	Human, Dog, Rat, Monkey, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human XPF (NP_005227) produced in HEK293 cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5~1.0 mg/ml (Lot Dependent)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	104.3 kDa
<b>Gene Name:</b>	ERCC excision repair 4, endonuclease catalytic subunit
<b>Database Link:</b>	<a href="#">NP_005227</a> <a href="#">Entrez Gene 50505 Mouse</a> <a href="#">Entrez Gene 304719 Rat</a> <a href="#">Entrez Gene 479842 Dog</a> <a href="#">Entrez Gene 712641 Monkey</a> <a href="#">Entrez Gene 2072 Human</a> <a href="#">Q92889</a>
<b>Background:</b>	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).
<b>Synonyms:</b>	ERCC11; FANCC; RAD1; XFEPS; XPF

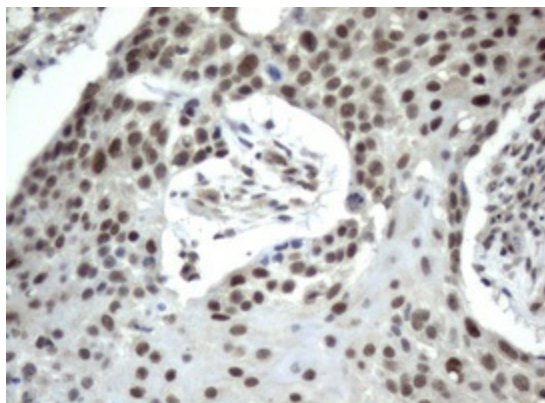


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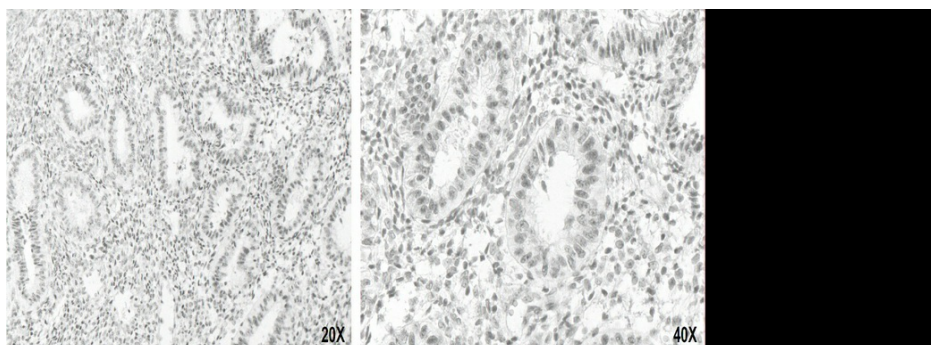
**Protein Families:** Druggable Genome

**Protein Pathways:** Nucleotide excision repair

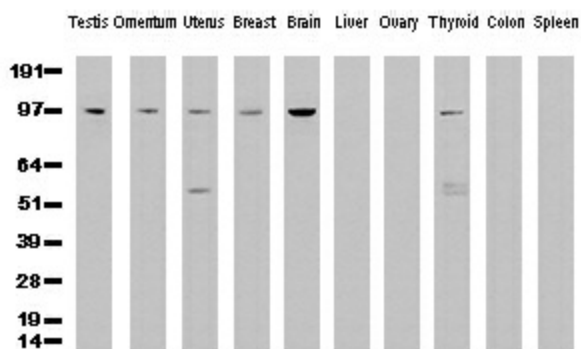
**Product images:**



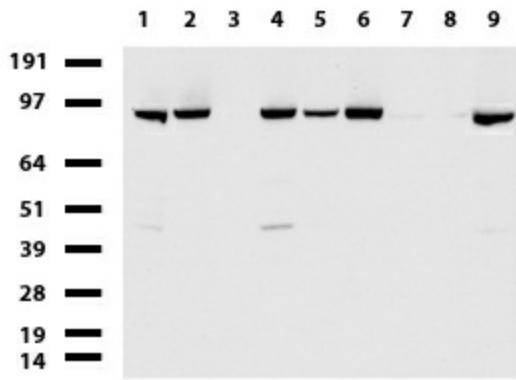
Immunohistochemical staining of paraffin-embedded Carcinoma of lung tissue using anti-XPF (UMAB20) mouse monoclonal antibody. ([UM500020], Dilution 1:50; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



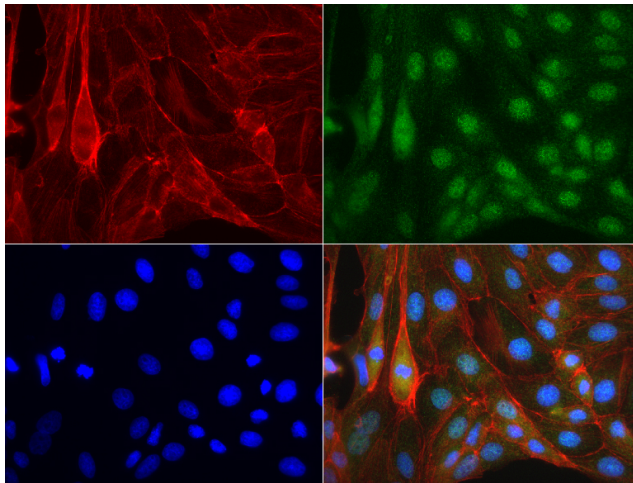
Immunohistochemical staining of paraffin-embedded human uterus using anti-XPF clone UMAB20 mouse monoclonal antibody ([UM500020]) 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in the epithelial cells of the uterine gland



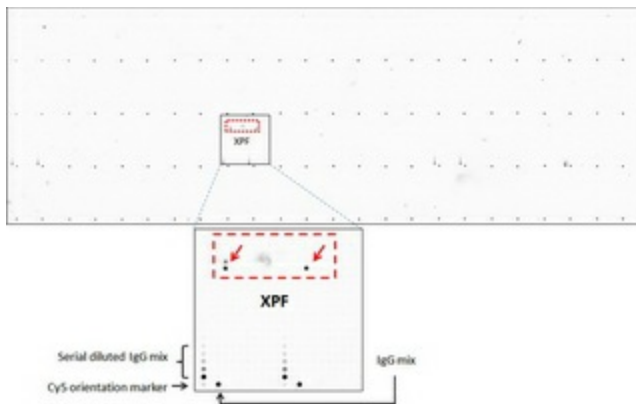
Western Blot analysis of 10 different human tissue lysates (10ug) by using anti-XPF monoclonal antibody (clone UMAB20, 1:500)



Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7). Dilution: 1:500



Immunofluorescent staining of MDCK cells using anti-XPF mouse monoclonal antibody ([UM500020], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-XPF mouse monoclonal antibody (clone UMAB20). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification. These data show that UltraMAB anti-XPF (UMAB20) very specifically recognizes XPF antigen on OriGene protein microarray chip.