

Product datasheet for **UM500022**

XPF (ERCC4) Mouse Monoclonal Antibody [Clone ID: UMAB22]

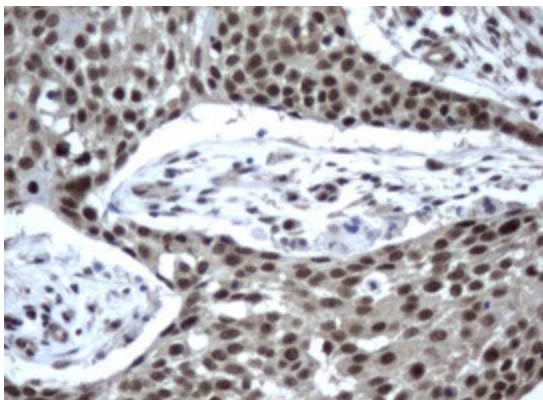
Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB22
Applications:	10k-ChIP, IF, IHC
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100, IHC 1:500
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human XPF (NP_005227) produced in HEK293 cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	104.3 kDa
Gene Name:	ERCC excision repair 4, endonuclease catalytic subunit
Database Link:	NP_005227 Entrez Gene 50505 Mouse Entrez Gene 2072 Human Q92889
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).
Synonyms:	ERCC11; FANCC; RAD1; XFEPS; XPF
Protein Families:	Druggable Genome

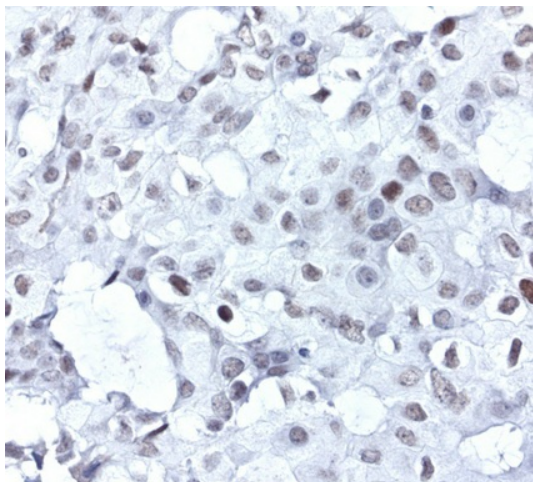

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Protein Pathways: Nucleotide excision repair

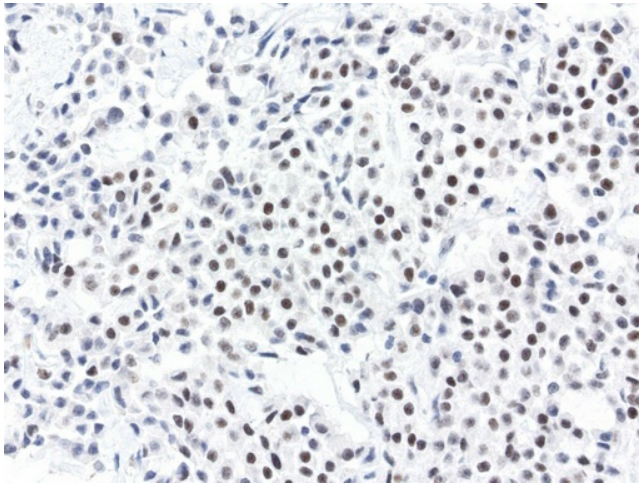
Product images:



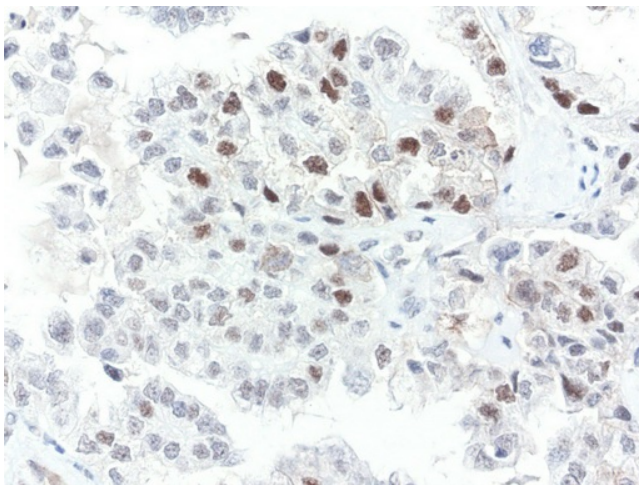
Immunohistochemical staining of paraffin-embedded Carcinoma of lung tissue using anti-XPF (UMAB22) mouse monoclonal antibody. (UM500022, Dilution 1:50; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



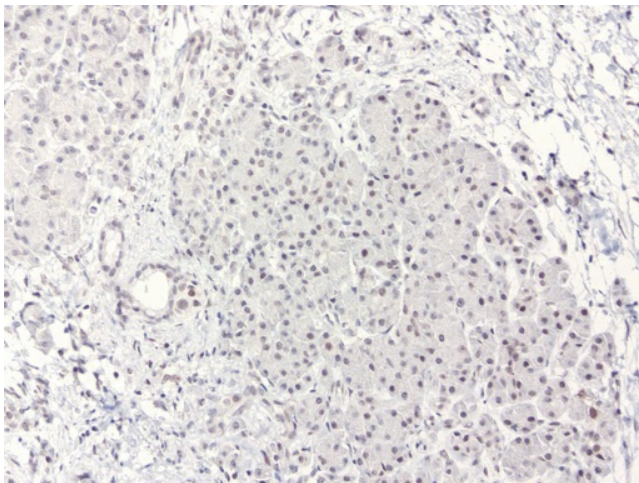
Immunohistochemical staining of paraffin-embedded human breast cancer using anti-XPF clone UMAB20 mouse monoclonal antibody ([UM500020]) 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining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



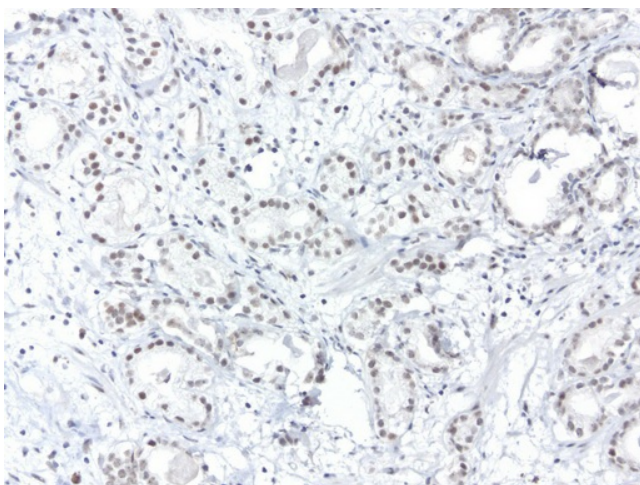
Immunohistochemical staining of paraffin-embedded human lung cancer using anti-XPF clone UMAB20 mouse monoclonal antibody (UM500022) 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in the tumor cells.



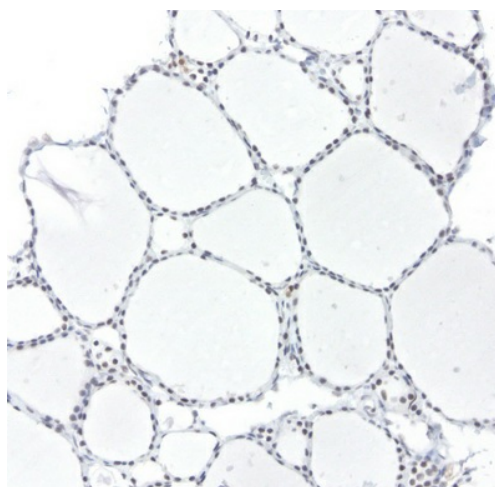
Immunohistochemical staining of paraffin-embedded human ovarian cancer using anti-XPF clone UMAB20 mouse monoclonal antibody (UM500022) 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in the tumor cells.



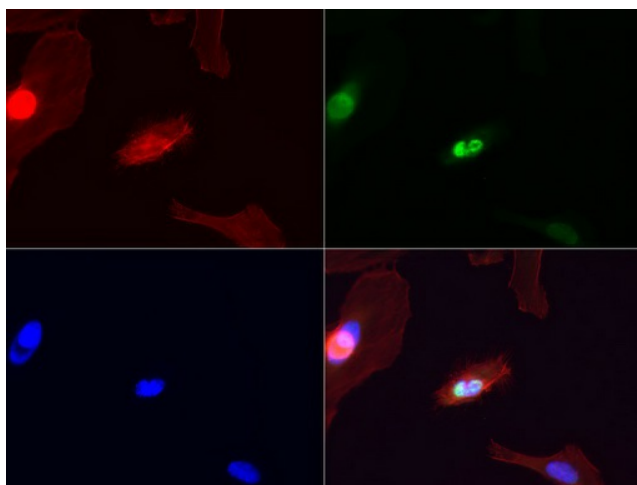
Immunohistochemical staining of paraffin-embedded human pancreas using anti-XPF clone UMAB20 mouse monoclonal antibody (UM500022) 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in the pancreatic cells.



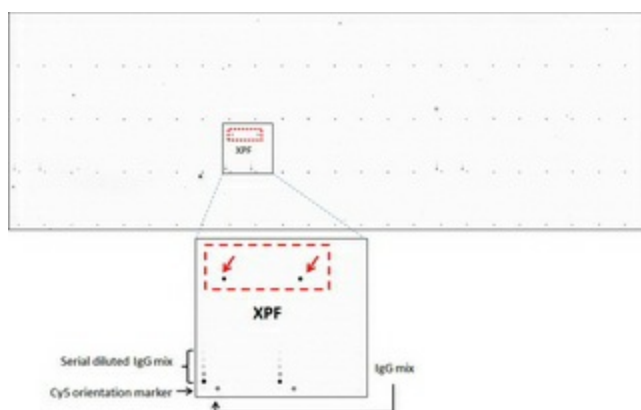
Immunohistochemical staining of paraffin-embedded human prostate cancer using anti-XPF clone UMAB20 mouse monoclonal antibody (UM500022) 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in the tumor cells.



Immunohistochemical staining of paraffin-embedded human thyroid using anti-XPF clone UMAB20 mouse monoclonal antibody (UM500022) 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 thyroid cells.



Immunofluorescent staining of HeLa cells using anti-XPF mouse monoclonal antibody (UM500022, green, 1:100). Actin filaments were labeled with TRITC-phalloidin (red), and nuclear with DAPI (blue).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-XPF mouse monoclonal antibody (clone UMAB22). 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 (UMAB22) very specifically recognizes XPF antigen on OriGene protein microarray chip.