

Product datasheet for **AM20500PU-N**

XPF (ERCC4) Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot: 1 - 2 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Recombinant Human XPF protein.
Specificity:	This antibody recognizes Human Excision Repair Cross-complementing Rodent Repair Deficiency, Complementation Group 4 (ERCC4). Other species not tested.
Formulation:	10mM PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction Stabilizer: 0.2% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ERCC excision repair 4, endonuclease catalytic subunit
Database Link:	Entrez Gene 2072 Human Q92889



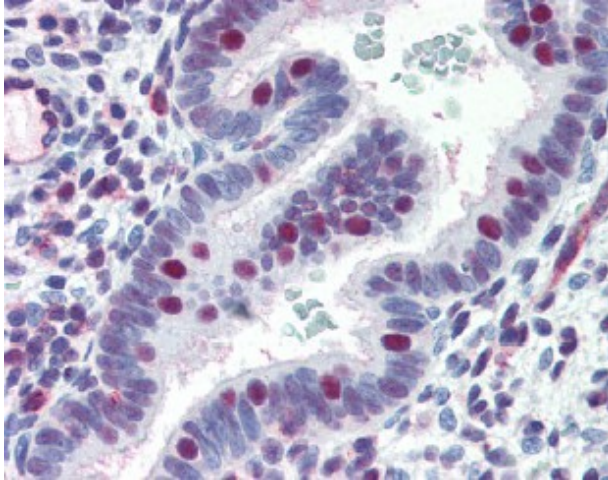
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Background:

The structure specific ERCC 1 / XPF endonuclease complex is implicated in the repair of two distinct types of lesions in DNA: NER for UV induced lesions and bulky chemical adducts; and recombination repair of the very genotoxic interstrand cross links. NER mechanism involves dual incisions on both sides of the damage catalyzed by two nucleases. In mammalian cells, XPG cleaves 3' of the DNA lesion while the ERCC1 / XPF complex makes the 5' incision. ERCC1 / XPF probably plays a role in processing partially processed recombination intermediates.

Synonyms:

ERCC-4, ERCC11, XPF

Product images:

Human Uterus (formalin-fixed, paraffin-embedded) stained with ERCC4 antibody AM20500PU-N at 10 ug/ml after heat-induced antigen retrieval.