

Product datasheet for **AP23054PU-N**

ERCC1 (172-184) Goat Polyclonal Antibody

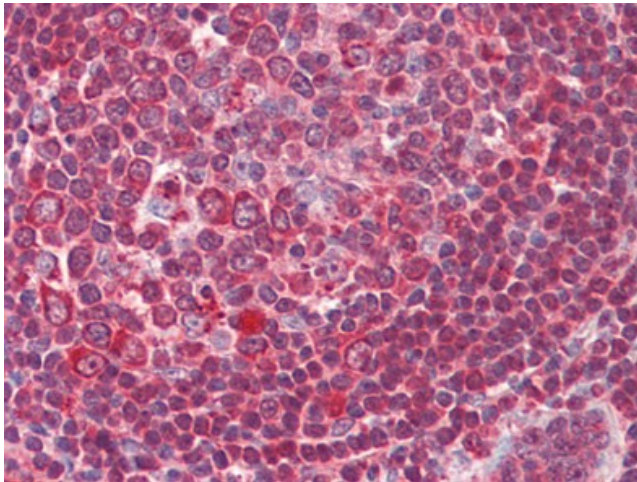
Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA, IHC |
| Recommended Dilution: | ELISA: 1/1000. Immunohistochemistry on Paraffin Sections: 3.75 µg/ml. |
| Reactivity: | Canine, Human, Mouse, Rat, Bovine, Bat, Monkey |
| Host: | Goat |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide from internal region of human ERCC1 |
| Specificity: | This antibody recognizes internal region of ERCC1. |
| Formulation: | Tris saline buffer, pH 7.3 containing 0.5% BSA and 0.02% Sodium Azide State: Aff - Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Immunoaffinity Chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody 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 1, endonuclease non-catalytic subunit |
| Database Link: | Entrez Gene 13870 Mouse Entrez Gene 292673 Rat Entrez Gene 574267 Monkey Entrez Gene 2067 Human P07992 |



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| Background: | The mammalian ERCC1 (Excision Repair Cross Complementing) polypeptide is required for nucleotide excision repair (NER) of damaged DNA and is homologous to <i>Saccharomyces cerevisiae</i> RAD10, which functions in repair and mitotic intrachromosomal recombination. 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. Elevated levels of ERCC1 have also been reported in Cisplatin-resistant cells. |
| Synonyms: | DNA excision repair protein ERCC-1, COFS4, UV20 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Nucleotide excision repair |

Product images:

ERCC1 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Tonsil.