

Product datasheet for **AP09036AF-N**

DUT (1-52) Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot.
Reactivity:	Human
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	Recombinant Human DUT Epitope: aa 1-52
Specificity:	This antibody recognizes Amino Acids 1-52 of Human DUTP Pyrophosphatase (DUT).
Formulation:	PBS State: Azide Free State: Liquid purified IgY fraction Preservative: None
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:	deoxyuridine triphosphatase
Database Link:	Entrez Gene 1854 Human P33316



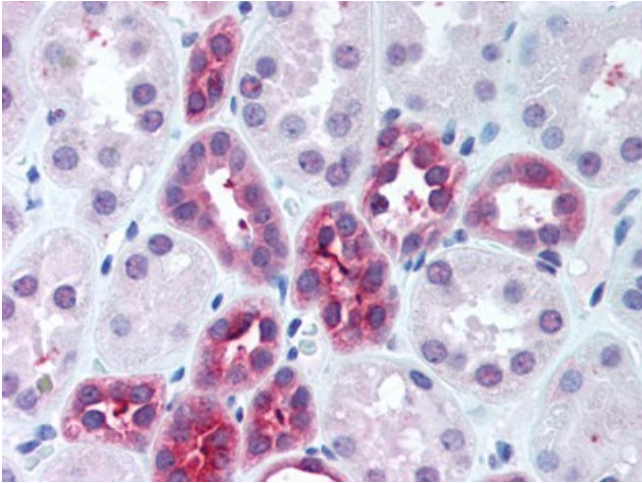
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Background:

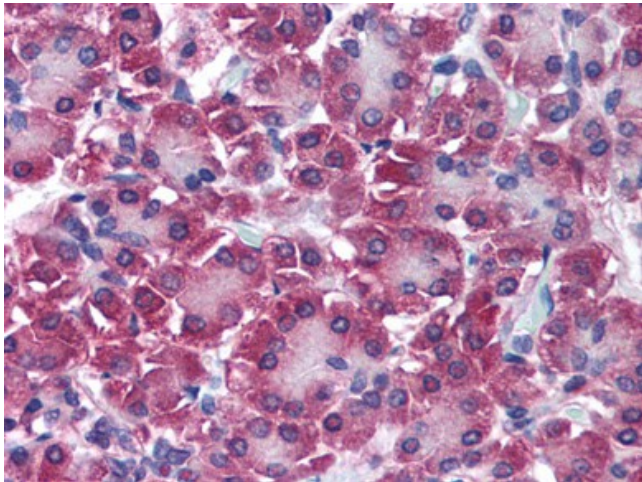
Deoxyuridine triphosphate nucleotidohydrolase (dUTPase) is a ubiquitous enzyme that functions in the hydrolysis of dUTP to dUMP and pyrophosphate. Canman and co-workers have demonstrated that, in certain human tumor cell lines, increased levels of dUTPase are responsible for an increase in resistance to the cancer chemotherapeutic agent fluorodeoxyuridine (FUdR), a thymidine synthase inhibitor. Two distinct forms of dUTPase exist in humans. Cellular fractionation experiments suggest that the more abundant, lower mass form of dUTPase (DUT-N) localizes in the nucleus, while the higher mass form (DUT-M) is associated with the mitochondria.

Synonyms:

dUTPase, dUTP pyrophosphatase

Product images:

Kidney: Formalin-Fixed Paraffin-Embedded (FFPE)



Pancreas: Formalin-Fixed Paraffin-Embedded (FFPE)