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XTP3TPA Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2821a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9H773
Other Accession	Q91VC0, Q9QY93
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17386
Calculated MW	18681
Antigen Region	12-40

Additional Information

Gene ID	79077
Other Names	dCTP pyrophosphatase 1, Deoxycytidine-triphosphatase 1, dCTPase 1, RS21C6, XTP3-transactivated gene A protein, DCTPP1, XTP3TPA
Target/Specificity	This XTP3TPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human XTP3TPA.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	XTP3TPA Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DCTPP1 (HGNC:28777)
Function	Hydrolyzes deoxynucleoside triphosphates (dNTPs) to the corresponding nucleoside monophosphates. Has a strong preference for dCTP and its

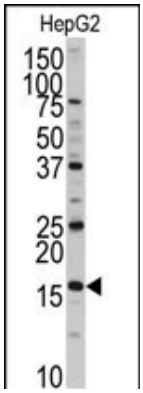
analogs including 5-iodo-dCTP and 5-methyl-dCTP for which it may even have a higher efficiency. May protect DNA or RNA against the incorporation of these genotoxic nucleotide analogs through their catabolism.

Cellular Location Mitochondrion. Nucleus. Cytoplasm, cytosol

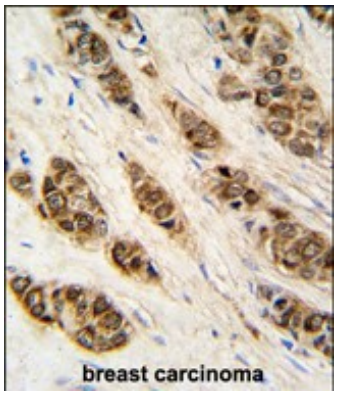
References

Stelzl,U., Cell 122 (6), 957-968 (2005)
Moroz,O.V., J. Mol. Biol. 347 (2), 243-255 (2005)

Images



Western blot analysis of anti-XTP3TPA Antibody (N-term) (Cat.#AP2821a) in HepG2 cell line lysates (35ug/lane). XTP3TPA(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with XTP3TPA antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Citations

- DCTPP1, an Oncogene Regulated by miR-378a-3p, Promotes Proliferation of Breast Cancer via DNA Repair Signaling Pathway
- dCTP pyrophosphohydrase exhibits nucleic accumulation in multiple carcinomas.
- Autophagy induced by overexpression of DCTPP1 promotes tumor progression and predicts poor clinical outcome in prostate cancer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.