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TRF41 Rabbit pAb

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Catalog # AP56371

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5XG87
Reactivity	Human
Predicted	Pig, Dog, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84650
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TRF41
Epitope Specificity	701-772/772
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm {ECO:0000269|PubMed:23376078}. Nucleus, nucleoplasm {ECO:0000269|PubMed:23376078}. Note=Excluded from nucleolus, weak staining detected in the cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a DNA polymerase that is likely involved in DNA repair. In addition, the encoded protein may be required for sister chromatid adhesion. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Jan 2010]

Additional Information

Gene ID	11044
Other Names	Terminal nucleotidyltransferase 4A, DNA polymerase sigma, LAK-1, Non-canonical poly(A) RNA polymerase PAPD7, 2.7.7.19, 2.7.7.-, Terminal uridylyltransferase 5, TUTase 5, Topoisomerase-related function protein 4-1, TRF4-1, TENT4A (HGNC:16705)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TENT4A (HGNC:16705)
Function	Terminal nucleotidyltransferase that catalyzes preferentially the transfer of ATP and GTP on RNA 3' poly(A) tail creating a heterogeneous 3' poly(A) tail leading to mRNAs stabilization by protecting mRNAs from active deadenylation (PubMed:23376078, PubMed:30026317). Also functions as a catalytic subunit of a TRAMP-like complex which has a poly(A) RNA polymerase activity and is involved in a post-transcriptional quality control mechanism. Polyadenylation with short oligo(A) tails is required for the degradative activity of the exosome on several of its nuclear RNA substrates. Has no terminal uridylyltransferase activity, and does not play a role in replication- dependent histone mRNA degradation via uridylation (PubMed:23376078).
Cellular Location	Cytoplasm. Nucleus, nucleoplasm. Note=Excluded from nucleolus, weak staining detected in the cytoplasm

Background

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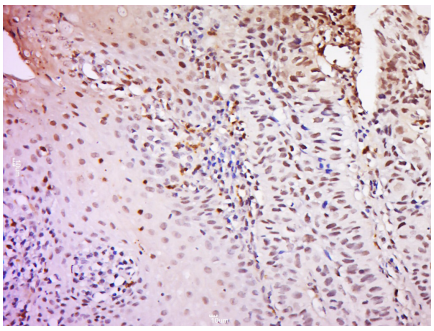
Images



Tissue/cell: human laryngo carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-TRF41 Polyclonal Antibody, Unconjugated(AP56371) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining