

**TRF41 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56371****Specification****TRF41 Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q5XG87</a>
Reactivity	Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84650

**TRF41 Polyclonal Antibody - 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, PAP-associated domain-containing protein 7, TRAMP-like complex polyadenylate polymerase, Terminal guanylyltransferase, 2.7.7.-, Terminal uridylyltransferase 5, TUTase 5, Topoisomerase-related function protein 4-1, TRF4-1, TENT4A ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=16705](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=16705))  
HGNC:16705

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**TRF41 Polyclonal Antibody - 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](http://www.uniprot.org/citations/23376078), PubMed: [30026317](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/23376078)).

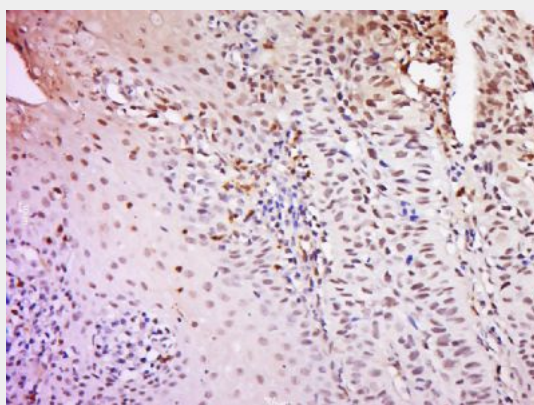
**Cellular Location**

Cytoplasm. Nucleus, nucleoplasm. Note=Excluded from nucleolus, weak staining detected in the cytoplasm

**TRF41 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TRF41 Polyclonal Antibody - 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°C for 20 min;

Incubation: Anti-TRF41 Polyclonal Antibody, Unconjugated(bs-16716R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining