

For Research Use Only

RNase T2 Polyclonal antibody

Catalog Number: 13753-1-AP **4 Publications**



Basic Information

Catalog Number: 13753-1-AP	GenBank Accession Number: BC039713	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 8635	Recommended Dilutions: IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: O00584	
Isotype: IgG	Full Name: ribonuclease T2	
Immunogen Catalog Number: AG4695	Calculated MW: 256 aa, 29 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications: IHC, IF/ICC, IP, ELISA	Positive Controls: IP: BxPC-3 cells, IHC: human pancreas cancer tissue, IF/ICC: transfected cells,
Cited Applications: IHC	
Species Specificity: human, mouse	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

RNASET2(Ribonuclease T2) is also named as RNASE6PL(Ribonuclease 6) and belongs to the RNase T2 family. It is a unique member of the growing family of tumor-antagonizing genes and behaves as a class II tumor suppressor and abolish the tumorigenic potential of an ovarian cancer-derived cell line. This protein has 2 isoforms produced by alternative splicing. Both mildly glycosylated (ranging from 38 to 45 kDa) and highly glycosylated forms (ranging from 50 to 80 kDa) of human tumor suppressor protein RNASET2 can be detected in immunoblotting in P. Pastoris(PMID: 21446958).

Notable Publications

Author	Pubmed ID	Journal	Application
Stefan Schorr	32133789	FEBS J	
Juanjuan Ou	30842415	Nat Commun	
Mi Tian	33626918	Cell Transplant	IHC

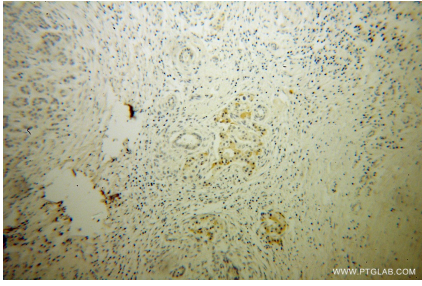
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

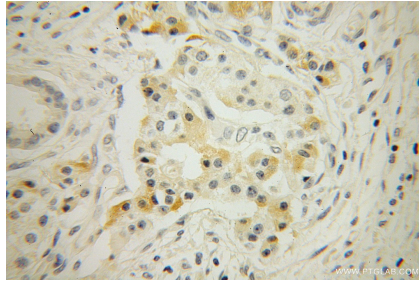
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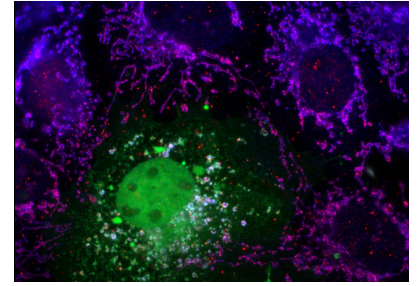
Selected Validation Data



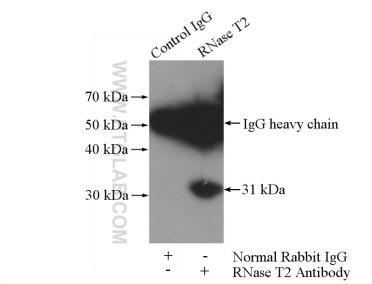
Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 13753-1-AP (RNase T2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 13753-1-AP (RNase T2 antibody) at dilution of 1:100 (under 40x lens).



IF result of 13753-1-AP (anti-RNASET2) in COS7 cell by Dr. Nancy Kedersha. COS7 cells transiently transfected with FAST-KD4-YFP, counterstained with PTG RNASET2 antibody (red) and human anti-mitochondrial antigen in blue. Note that FAST-KD4-YFP overexpression alters mitochondrial morphology, and is also present at stress granules (green only).



IP result of anti-RNase T2 (IP:13753-1-AP, 4ug; Detection:13753-1-AP 1:300) with BxPC-3 cells lysate 4000ug.