

For Research Use Only

# RNASET2 Polyclonal antibody

Catalog Number: 13753-1-AP

5 Publications



## Basic Information

Catalog Number:

13753-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4695

GenBank Accession Number:

BC039713

GeneID (NCBI):

8635

UNIPROT ID:

O00584

Full Name:

ribonuclease T2

Calculated MW:

256 aa, 29 kDa

Observed MW:

29 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:20-1:200

## Applications

Tested Applications:

IHC, IF/ICC, IP, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

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**

Positive Controls:

IP: BxPC-3 cells,

IHC: mouse spleen tissue,

IF/ICC: transfected cells,

## 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

For technical support and original validation data for this product please contact:

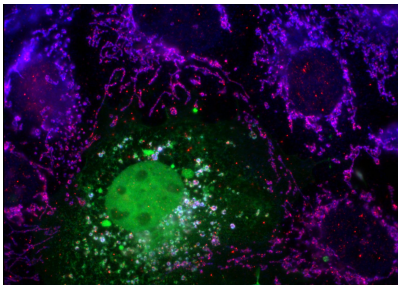
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

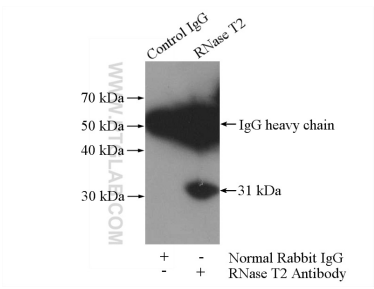
W: [ptgcn.com](http://ptgcn.com)

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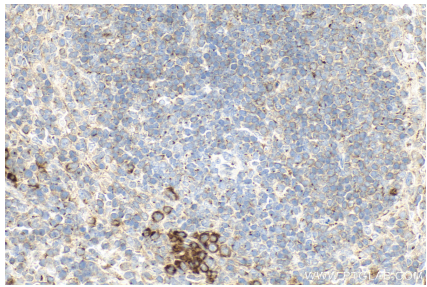
Selected Validation Data



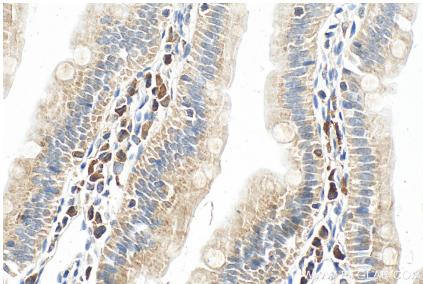
IF result of 13753-1-AP (anti-RNASET2) in COS7 cell by Dr. Nancy Kedersha. COS7 cells transiently transfected with FAST-KD4-YFP, counterstained with PTG RNASET2 antibody (red) and human anti-mitochondrial antigen in blue. Note that FAST-KD4-YFP overexpression alters mitchonrial morphology, and is also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



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 13753-1-AP (RNASET2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 13753-1-AP (RNASET2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).