For Research Use Only

RNASEL Polyclonal antibody

Catalog Number:22577-1-AP 11 Publications

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Basic Information

Catalog Number:
22577-1-AP

Size:
150ul , Concentration: 800 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG17409

GenBank Accession Number:
BC115697

GeneID (NCBI):
6041

UNIPROT ID:
Q05823

Full Name:
ribonuclease L (2',5'-oligoisoadenylate synthetase-dependent)

Calculated MW:
741 aa, 84 kDa

Observed MW:
84 kDa; 73 kDa

Purification Method:
Antigen Affinity purified

Recommended Dilutions:
WB: 1:1000-1:4000
IHC: 1:20-1:200
IF/ICC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IF, ELISA

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

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:

WB : THP-1 cells, RAW 264.7 cells

IHC : human tonsillitis tissue, human spleen tissue

IF/ICC : HepG2 cells,

Background Information

RNASEL, also named as RNS4, is an endoribonuclease that functions in the interferon (IFN) antiviral response. RNASEL mediated apoptosis is the result of a JNK-dependent stress-response pathway leading to cytochrome c release from mitochondria and caspase-dependent apoptosis. There're some isoforms with calculated MW 84 kDa and 73 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhuo Chen	34686338	Cell Rep	WB
Yajuan Fu	32283527	iScience	WB
Qixue Wang	31637166	Adv Sci (Weinh)	wb

Storage

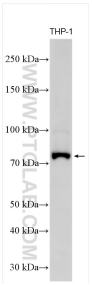
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

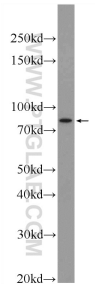
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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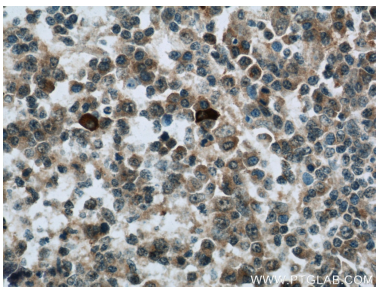
Selected Validation Data



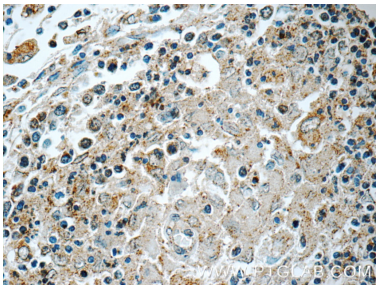
THP-1 cells were subjected to SDS PAGE followed by western blot with 22577-1-AP (RNASEL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



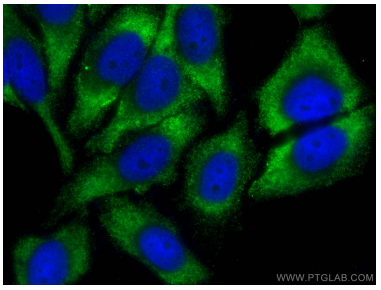
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 22577-1-AP (RNASEL Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 22577-1-AP (RNASEL Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 22577-1-AP (RNASEL Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using RNASEL antibody (22577-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).