

For Research Use Only

ELAC2 Polyclonal antibody

Catalog Number: 10071-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 10071-1-AP	GenBank Accession Number: BC004158	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 280 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 60528	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: elaC homolog 2 (E. coli)	
Isotype: IgG	Calculated MW: 92 kDa	
Immunogen Catalog Number: AG0105	Observed MW: 92 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : DU 145 cells, HeLa cells, HepG2 cells
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

Putative prostate cancer susceptibility protein (ELAC2) is encoded by HPC2/ELAC2 gene. HPC2 is a potential prostate cancer predisposition gene playing a role in genetic susceptibility to prostate cancer. It is a zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity and probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA. Defects in ELAC2 may be a cause of susceptibility to prostate cancer (PC).

Notable Publications

Author	Pubmed ID	Journal	Application
Mineri Rossana R	19492094	PLoS One	WB
Zbigniew Pietras	29967381	Nat Commun	WB
Brzezniak Lien K LK	21593607	RNA Biol	WB,IF

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

*** 20ul sizes contain 0.1% BSA

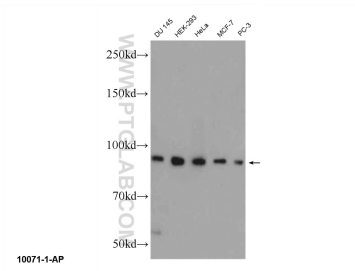
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

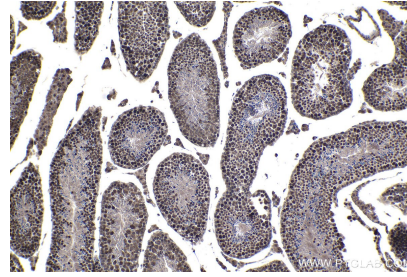
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



DU 145 cells were subjected to SDS PAGE followed by western blot with 10071-1-AP (ELAC2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10071-1-AP (ELAC2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).