

For Research Use Only

# ELAC2 Polyclonal antibody

Catalog Number:10071-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

10071-1-AP

### Size:

150ul , Concentration: 280 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0105

### GenBank Accession Number:

BC004158

### GeneID (NCBI):

60528

### UNIPROT ID:

Q9BQ52

### Full Name:

elaC homolog 2 (E. coli)

### Calculated MW:

92 kDa

### Observed MW:

92 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rabbit

**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 : DU 145 cells, HeLa cells, HepG2 cells

IHC : mouse testis tissue,

## 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

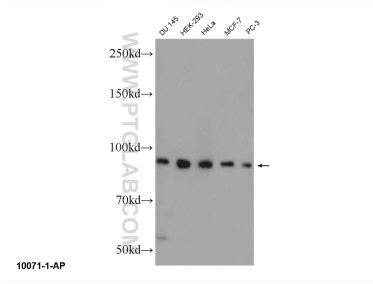
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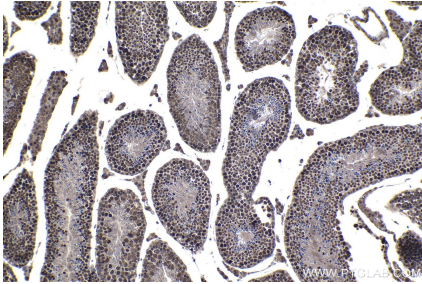
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# Selected Validation Data



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).