

For Research Use Only

# ESRP1 Polyclonal antibody

Catalog Number: 21045-1-AP

Featured Product

8 Publications



## Basic Information

**Catalog Number:**

21045-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG15386

**GenBank Accession Number:**

BC099916

**GeneID (NCBI):**

54845

**UNIPROT ID:**

Q6NXG1

**Full Name:**

epithelial splicing regulatory protein

1

**Calculated MW:**

681 aa, 76 kDa

**Observed MW:**

76 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

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

IHC 1:250-1:1000

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, RIP

**Species Specificity:**

human, mouse

**Cited Species:**

human

**Positive Controls:**

WB: COLO 320 cells, mouse lung tissue, MCF-7 cells

IP: COLO 320 cells,

IHC: human lung tissue, mouse colon tissue

**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

ESRP1, also named as Epithelial splicing regulatory protein 1, is a 681 amino acid protein, which belongs to the ESRP family. ESRP1 as a mRNA splicing factor that regulates the formation of epithelial cell-specific isoforms. ESRP1 specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2 and also regulates the splicing of CD44, CTNND1, ENAH, 3 transcripts that undergo changes in splicing during the epithelial-to-mesenchymal transition (EMT). ESRP1 exists various isoforms and molecular weight of each isoform is 76 kDa, 67 kDa, and 73 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Zhao	31570856	Cell Death Differ	WB
Christina R Adams	31134896	Elife	WB
Shuo Chen	33483472	Cell Death Discov	WB

## 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:

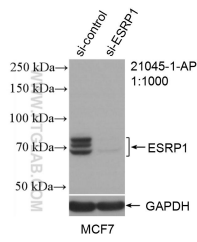
T: 4006900926

E: Proteintech-CN@ptglab.com

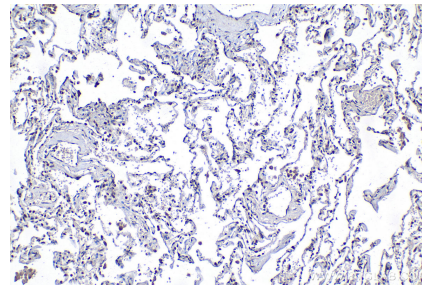
W: ptgcn.com

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

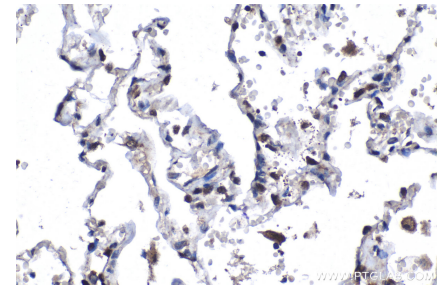
## Selected Validation Data



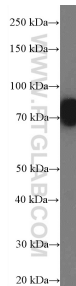
WB result of ESRP1 antibody (21045-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ESRP1 transfected MCF-7 cells.



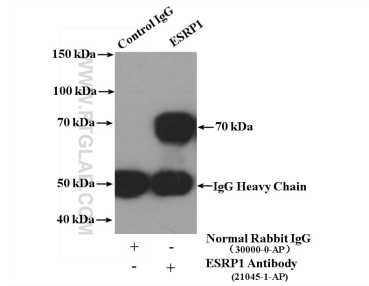
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 21045-1-AP (ESRP1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 21045-1-AP (ESRP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



COLO 320 cells were subjected to SDS PAGE followed by western blot with 21045-1-AP (ESRP1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ESRP1 (IP:21045-1-AP, 4ug; Detection:21045-1-AP 1:300) with COLO 320 cells lysate 4000ug.