

For Research Use Only

# ZNF618 Polyclonal antibody

Catalog Number: 31972-1-AP

Featured Product



## Basic Information

Catalog Number:

31972-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36487

GenBank Accession Number:

NM\_001318042.1

GeneID (NCBI):

114991

UNIPROT ID:

Q5T7W0

Full Name:

zinc finger protein 618

Calculated MW:

105kDa, 954aa

Observed MW:

100-113 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:50-1:500

IF/ICC: 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

**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 : MCF-7 cells, SH-SY5Y cells, Caki-2 cells

IHC : human cervical cancer tissue, human stomach cancer tissue

IF/ICC : A549 cells,

## Background Information

Zinc finger protein 618 (ZNF618) is a key protein associated with DNA methylation and acts as a specific 5hmC reader in vivo to regulate UHRF2 function by promoting UHRF2 chromatin localization. In addition, ZNF618 is not only associated with the induction, maintenance or progression of female breast cancer, but is also up-regulated in lung cancer cells.

## 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

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

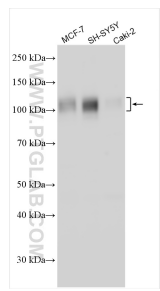
T: 4006900926

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

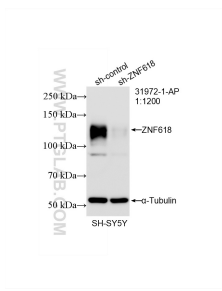
W: [ptgcn.com](http://ptgcn.com)

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

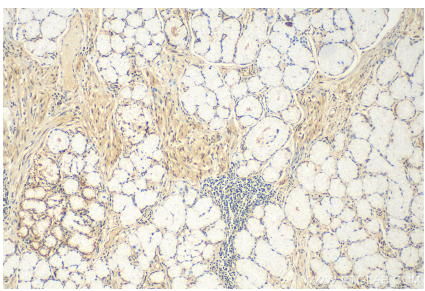
Selected Validation Data



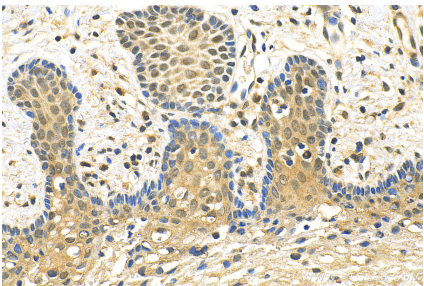
Various lysates were subjected to SDS PAGE followed by western blot with 31972-1-AP (ZNF618 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



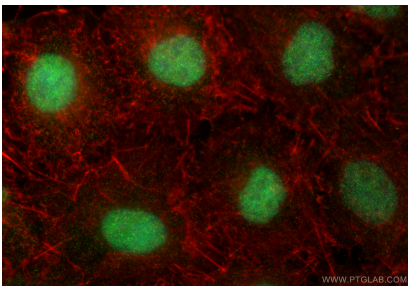
WB result of ZNF618 antibody (31972-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZNF618 transfected SH-SY5Y cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 31972-1-AP (ZNF618 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 31972-1-AP (ZNF618 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using ZNF618 antibody (31972-1-AP) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).