

# YES1-Specific Polyclonal antibody

Catalog Number: 20243-1-AP

Featured Product

6 Publications

## Basic Information

**Catalog Number:**

20243-1-AP

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_005433

**GeneID (NCBI):**

7525

**UNIPROT ID:**

P07947

**Full Name:**v-yes-1 Yamaguchi sarcoma viral  
oncogene homolog 1**Calculated MW:**

61 kDa

**Observed MW:**

61 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

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

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

IHC

**Species Specificity:**

human

**Cited Species:**

human, mouse

**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** : A431 cells, HepG2 cells, A549 cells, DU 145 cells,  
HEK-293 cells**IP** : A549 cells,**IHC** : human lung cancer tissue, human colon cancer  
tissue

## Background Information

YES1, also named as p61-Yes and YES, belongs to the protein kinase superfamily, Tyr protein kinase family and SRC subfamily. It promotes infectivity of *Neisseria gonorrhoeae* in epithelial cells by phosphorylating MCP/CD46. YES1 catalyzes the reaction: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. The antibody is specific to YES1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jackson A Roberts	34757788	Sci Adv	
Esther Redin	33658304	J Immunother Cancer	IHC
Irati Garmendia	31166114	Am J Respir Crit Care Med	IHC

## 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:

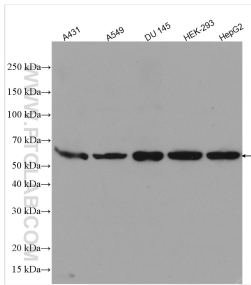
T: 4006900926

E: Proteintech-CN@ptglab.com

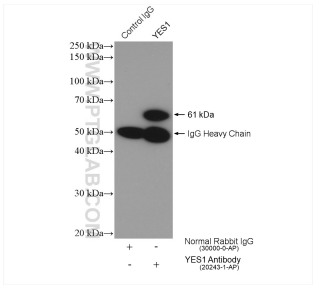
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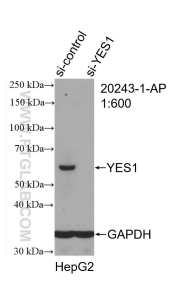
Selected Validation Data



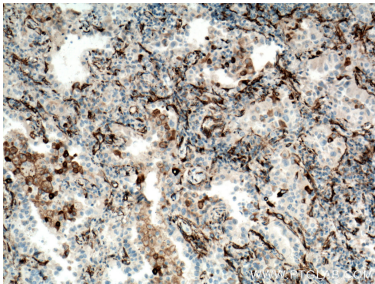
Various lysates were subjected to SDS PAGE followed by western blot with 20243-1-AP (YES1-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-YES1-Specific (IP:20243-1-AP, 4ug; Detection:20243-1-AP 1:500) with A549 cells lysate 1400 ug.



WB result of YES1-Specific antibody (20243-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-YES1-Specific transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20243-1-AP (YES1-Specific antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).