

For Research Use Only

# ONECUT2 Polyclonal antibody

Catalog Number: 21916-1-AP

Featured Product

12 Publications



## Basic Information

**Catalog Number:**

21916-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16162

**GenBank Accession Number:**

BC108925

**GeneID (NCBI):**

9480

**UNIPROT ID:**

O95948

**Full Name:**

one cut homeobox 2

**Calculated MW:**

504 aa, 54 kDa

**Observed MW:**

54-60 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

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

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IHC, chIP, Cell treatment

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB : HeLa cells, A549 cells, mouse skin tissue, HEK-293 cells, HepG2 cells, Jurkat cells

IP : HEK-293 cells,

## Background Information

ONECUT2, also named as One cut domain family member 2 or Hepatocyte nuclear factor 6-beta, is a 504 amino acid protein, which contains one CUT DNA-binding domain and one homeobox DNA-binding domain. ONECUT2 belongs to the CUT homeobox family and activates the transcription of a number of liver genes such as HNF3B. ONECUT2 is required for liver differentiation and metabolism. ONECUT2 and ONECUT3 play redundant roles with ONECUT1 in pancreas development.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yangfei Yi	36178080	Orthop Surg	WB
Danfei Liu	34839358	Cell Death Dis	WB, ChIP
Mirja Rotinen	30478421	Nat Med	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:

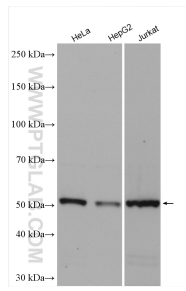
T: 4006900926

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

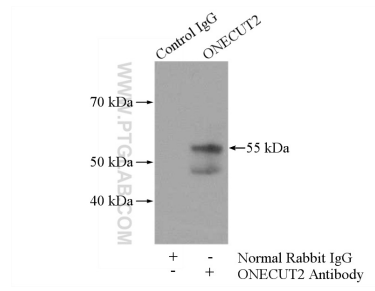
W: [ptgcn.com](http://ptgcn.com)

**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 21916-1-AP (ONECUT2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-ONECUT2 (IP:21916-1-AP, 4ug; Detection:21916-1-AP 1:300) with HEK-293 cells lysate 3200ug.