

For Research Use Only

# FOXJ2 Polyclonal antibody

Catalog Number: 28301-1-AP

Featured Product



## Basic Information

**Catalog Number:**

28301-1-AP

**Size:**

500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG27345

**GenBank Accession Number:**

BC136305

**GeneID (NCBI):**

55810

**UNIPROT ID:**

Q9P0K8

**Full Name:**

forkhead box J2

**Calculated MW:**

574 aa, 62 kDa

**Observed MW:**

70 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HuH-7 cells, U-87 MG cells, human placenta tissue

## Background Information

Fork head box J2 (FOXJ2) is a transcription factor discovered in mammals and other vertebrates in 2000, which belongs to the Fork head box (Fox) transcription factor family, which shares a conserved DNA-binding domain, known as Fork Head. FOXJ2 participates in the regulation of cell proliferation, differentiation, and migration by targeting downstream genes through its DNA binding domain, and plays fundamental roles in embryonic development, tumorigenesis, and the progression of certain cancers. The expression patterns of FOXJ2 have been reported to be aberrant in a variety of cancers, including breast cancer, extra-hepatic cholangiocarcinoma, nasopharyngeal carcinoma, glioma, and non-small cell lung cancer (PMID: 28769576, PMID: 33725831, PMID: 35908066). This antibody has been validated for knockdown.

## 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:

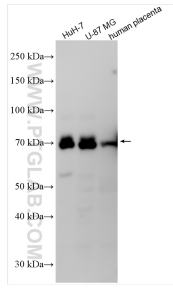
T: 4006900926

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

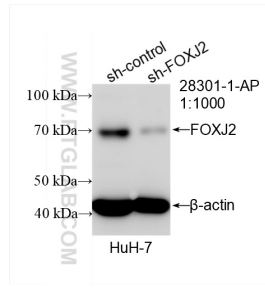
W: [ptgcn.com](http://ptgcn.com)

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 28301-1-AP (FOXJ2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of FOXJ2 antibody (28301-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FOXJ2 transfected HuH-7 cells.