

For Research Use Only

# FOXD3 Polyclonal antibody

Catalog Number: 27878-1-AP

Featured Product



## Basic Information

Catalog Number:

27878-1-AP

Size:

1500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27260

GenBank Accession Number:

NM\_012183.2

GeneID (NCBI):

27022

UNIPROT ID:

Q9UJU5

Full Name:

forkhead box D3

Calculated MW:

48 kDa

Observed MW:

57-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : HEK-293 cells,

## Background Information

FOXD3, also named as HFH2, belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. FOXD3 binds to the consensus sequence 5'-A[AT][AG]TTTGTTT-3' and acts as a transcriptional repressor. It also acts as a transcriptional activator. FOXD3 promotes development of neural crest cells from neural tube progenitors. It restricts neural progenitor cells to the neural crest lineage while suppressing interneuron differentiation. It required for maintenance of pluripotent cells in the pre-implantation and peri-implantation stages of embryogenesis. FOXD3 has one isoform produced by alternative splicing with the MW of 47 kDa. It can be detected as 57-60 kDa in some literature(PMID: 31940493).

## 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:

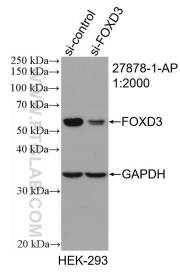
T: 4006900926

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

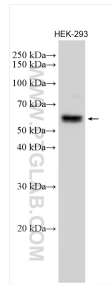
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



WB result of FOXD3 antibody (27878-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FOXD3 transfected HEK-293 cells.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 27878-1-AP (FOXD3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.