

For Research Use Only

# FOXD3 Polyclonal antibody

Catalog Number: 27878-1-AP

Featured Product



## Basic Information

**Catalog Number:**

27878-1-AP

**GenBank Accession Number:**

NM\_012183.2

**Purification Method:**

Antigen affinity purification

**Size:**

150ul, Concentration: 1500 ug/ml by Nanodrop and 600 ug/ml by Bradford method using BSA as the standard;

**GeneID (NCBI):**

27022

**Recommended Dilutions:**

WB 1:1000-1:6000

**Source:**

Rabbit

**UNIPROT ID:**

Q9UJU5

**Full Name:**

forkhead box D3

**Isotype:**

IgG

**Calculated MW:**

48 kDa

**Immunogen Catalog Number:**

AG27260

**Observed MW:**

57-60 kDa

## Applications

**Tested Applications:**

WB, ELISA

**Positive Controls:**

WB : HEK-293 cells,

**Species Specificity:**

Human

## 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

\*\*\* 20ul sizes contain 0.1% BSA

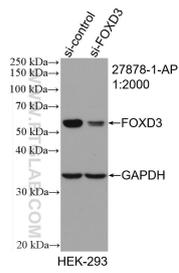
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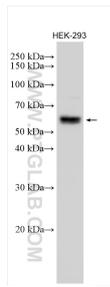
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## Selected Validation Data



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.