

## DATASHEET

# FOXD3 Rabbit Polyclonal Antibody

CAT. NO. APA09258

### KEY FEATURES

Target	FOXD3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Chicken	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Binds to the consensus sequence 5'-A[AT]T[AG]TTTGT-3' and acts as a transcriptional repressor . Also acts as a transcriptional activator . Negatively regulates transcription of transcriptional repressor RHIT/ZNF205 . Promotes development of neural crest cells from neural tube progenitors . Restricts neural progenitor cells to the neural crest lineage while suppressing interneuron differentiation . Required for maintenance of pluripotent cells in the pre-implantation and peri-implantation stages of embryogenesis .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to FOXD3
Specificity	Recognizes endogenous levels of FOXD3 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXD3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 47 kD; Observed: 60 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HFH2; Forkhead box protein D3; HNF3/FH transcription factor genesis
Gene Symbol	FOXD3
Entrez Gene	27022(Human); 15221(Mouse)
SwissProt	Q9UJU5(Human); Q61060(Mouse); Q63245(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

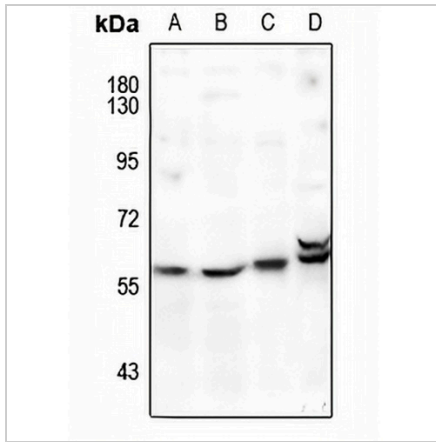
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

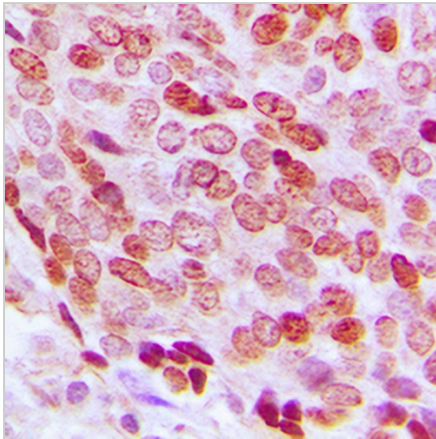
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**DATA**



Western blot analysis of FOXD3 expression in K562 (A), Jurkat (B), C6 (C), Raw264.7 (D) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 60 kD)



Immunohistochemical analysis of FOXD3 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.