

DATASHEET

FOXD4 Rabbit Polyclonal Antibody

CAT. NO. APA10674

KEY FEATURES

Target	FOXD4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	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

This gene encodes a member of the forkhead/winged helix-box (FOX) family of transcription factors. FOX transcription factors play critical roles in the regulation of multiple processes including metabolism, cell proliferation and gene expression during ontogenesis. Mutations in this gene are associated with a complex phenotype consisting of dilated cardiomyopathy, obsessive-compulsive disorders, and suicidality.

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

PRODUCT OVERVIEW

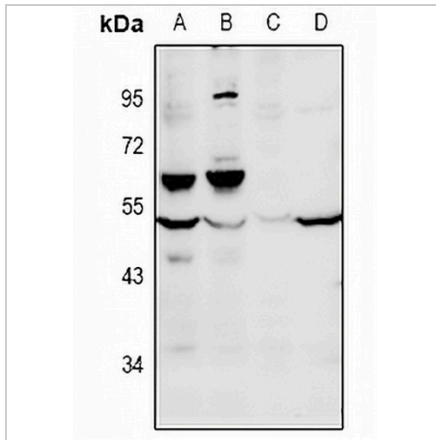
Description	Rabbit polyclonal antibody to FOXD4
Specificity	Recognizes endogenous levels of FOXD4 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXD4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 47; Observed: 47 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	FOXD4; FKHL9; FOXD4A; FREAC5; Forkhead box protein D4; Forkhead-related protein FKHL9; Forkhead-related transcription factor 5; FREAC-5; Myeloid factor-alpha; FOXD4L4; FOXD4B; Forkhead box protein D4-like 4; FOXD4-like 4; Forkhead box protein D4B; Myeloid factor-gamma; FOXD4L5; Forkhead box protein D4-like 5; FOXD4-like 5; FOXD4L2; Forkhead box protein D4-like 2; FOXD4-like 2; FOXD4L3; Forkhead box protein D4-like 3; FOXD4-like 3; FOXD4L6; Forkhead box protein D4-like 6; FOXD4-like 6
Gene Symbol	FOXD4
Entrez Gene	653404; 2298; 100036519; 349334; 653427(Human)
SwissProt	Q12950; Q8WXT5; Q5VV16; Q6VB85; Q6VB84; Q3SYB3(Human)

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

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DATA

Western blot analysis of FOXD4 expression in H1792 (A), A549 (B), PC12 (C), MEF (D) whole cell lysates. (Predicted band size: 47; 45 kD; Observed band size: 47 kD)

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.