

## DATASHEET

# TBX2 Rabbit Polyclonal Antibody

CAT. NO. APA17066

### KEY FEATURES

Target	TBX2	Source / Host	Rabbit
Reactivity	Human, Mouse	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

Transcription factor which acts as a transcriptional repressor . May also function as a transcriptional activator . Binds to the palindromic T site 5'-TTCACACCTAGGTGTGAA-3' DNA sequence, or a half-site, which are present in the regulatory region of several genes . Required for cardiac atrioventricular canal formation . May cooperate with NKX2.5 to negatively modulate expression of NPPA/ANF in the atrioventricular canal . May play a role as a positive regulator of TGFB2 expression, perhaps acting in concert with GATA4 in the developing outflow tract myocardium . Plays a role in limb pattern formation . Acts as a transcriptional repressor of ADAM10 gene expression, perhaps in concert with histone deacetylase HDAC1 as cofactor .

### APPLICATION

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

WB	1:500 - 1:2000
----	----------------

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

### PRODUCT OVERVIEW

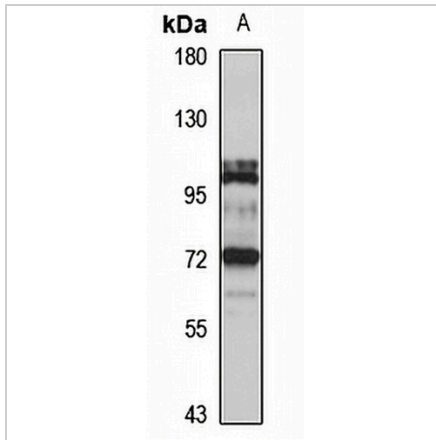
Description	Rabbit polyclonal antibody to TBX2
Specificity	Recognizes endogenous levels of TBX2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human TBX2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 75 kD; Observed: 75 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	T-box transcription factor TBX2; T-box protein 2
Gene Symbol	TBX2
Entrez Gene	6909(Human); 21385(Mouse)
SwissProt	Q13207(Human); Q60707(Mouse)

\*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****TBX2 Rabbit Polyclonal Antibody**

CAT. NO. APA17066

**DATA**

Western blot analysis of TBX2 expression in MCF7 (A) whole cell lysates. (Predicted band size: 75 kD; Observed band size: 75 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.