

# TBX4/5 Polyclonal antibody

Catalog Number: **13178-1-AP****11 Publications**

## Basic Information

## Catalog Number:

13178-1-AP

## Size:

273 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG3845

## GenBank Accession Number:

BC027942

## GeneID (NCBI):

6910

## UNIPROT ID:

Q99593

## Full Name:

T-box 5

## Calculated MW:

518 aa, 57 kDa

## Observed MW:

58 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IF 1:10-1:100

## Applications

## Tested Applications:

IF/ICC, WB, ELISA

## Cited Applications:

WB, IF

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

## Positive Controls:

WB : HeLa cells, HepG2 cells, MCF-7 cells

IF : HepG2 cells,

## Background Information

T-box genes encode a family of transcription factors that have been identified in all metazoans and which play diverse roles during embryonic development. TBX5, a member of T-box family, has an essential role in the initiation of limb outgrowth and heart development. Genetic variation near TBX5 that associates with PR and/or QRS interval variation, which suggests that TBX5 plays a role in CCS function in the general population. Because 77 % amino acid sequence of TBX5 is identical to TBX4, this antibody recognizes both TBX4 and TBX5.

## Notable Publications

Author	Pubmed ID	Journal	Application
De-Gang Wang	34490705	Am J Med Genet A	IF
Zhentao Zhang	31628386	Sci Rep	WB
Zhihua Ren	35609006	Environ Sci Technol	WB

## 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

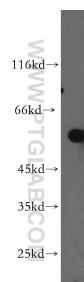
For technical support and original validation data for this product please contact:

T: 4006900926

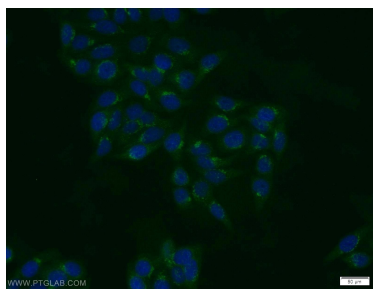
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 13178-1-AP (TBX5 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 13178-1-AP (TBX5 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).