

For Research Use Only

TBX4/5 Polyclonal antibody

Catalog Number: 13178-1-AP **10 Publications**



Basic Information

Catalog Number: 13178-1-AP	GenBank Accession Number: BC027942	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6910	Recommended Dilutions: WB 1:500-1:1000 IF 1:10-1:100
Source: Rabbit	Full Name: T-box 5	
Isotype: IgG	Calculated MW: 518 aa, 57 kDa	
Immunogen Catalog Number: AG3845	Observed MW: 58 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, MCF-7 cells
Cited Applications: IF, WB	IF : HepG2 cells,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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
Zhentaoy Zhang	31628386	Sci Rep	WB
Zhihua Ren	35609006	Environ Sci Technol	WB

Storage

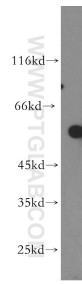
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

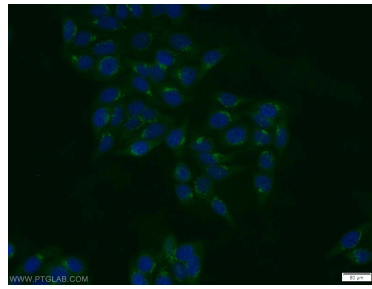
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).