

For Research Use Only

TBX4/5 Polyclonal antibody

Catalog Number: 13178-1-AP

11 Publications



Basic Information

Catalog Number:

13178-1-AP

Size:

150ul, Concentration: 273 ug/ml by Bradford method using BSA as the standard;

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/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF/ICC, 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/ICC: 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

*** 20ul sizes contain 0.1% BSA

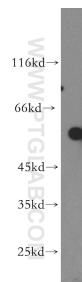
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

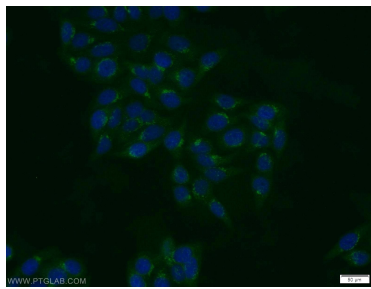
E: proteintech@ptglab.com
W: ptglab.com

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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 Goat Anti-Rabbit IgG(H+L).