

For Research Use Only

TBX20 Recombinant antibody

Catalog Number:83414-3-RR



Basic Information

Catalog Number: 83414-3-RR	GenBank Accession Number: BC120946	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 57057	CloneNo.: 240385H6
Source: Rabbit	UNIPROT ID: Q9UMR3	Recommended Dilutions: IHC 1:2000-1:8000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: T-box 20	
Immunogen Catalog Number: AG18501	Calculated MW: 297 aa, 33 kDa	

Applications

Tested Applications:
IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse heart tissue,
IF/ICC : H9C2 cells,

Background Information

Tbx20 is a transcription factor that is essential for proper heart development in a growing fetus. Any mutations in this gene can result in various forms of congenital heart disease.

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)

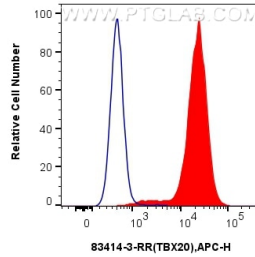
E: proteintech@ptglab.com
W: ptglab.com

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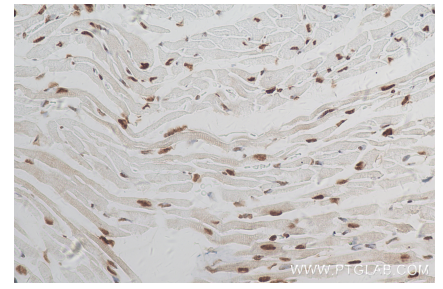
Selected Validation Data



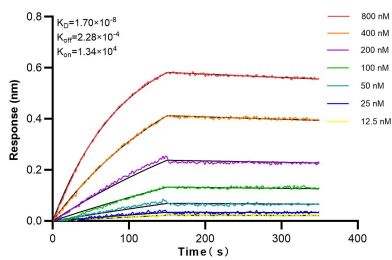
Immunofluorescent analysis of (4% PFA) fixed H9C2 cells using TBX20 antibody (83414-3-RR, Clone: 240385H6) at dilution of 1:250 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



1x10⁶ K562 were intracellularly stained with 0.25 ug Tbx20 Recombinant Antibody (83414-3-RR, Clone:240385H6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 83414-3-RR (TBX20 antibody) at dilution of 1:4000 (under 40x lens). Heat-mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 83414-3-RR against Human TBX20 were performed. The affinity constant is 17 nM.