

For Research Use Only

# TBX20 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83414-3-PBS



## Basic Information

Catalog Number:

83414-3-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18501

GenBank Accession Number:

BC120946

GeneID (NCBI):

57057

UNIPROT ID:

Q9UMR3

Full Name:

T-box 20

Calculated MW:

297 aa, 33 kDa

Purification Method:

Protein A purification

CloneNo.:

240385H6

## Applications

Tested Applications:

IHC, IF/ICC, FC (Intra), Cytometric bead array, Indirect  
ELISA

Species Specificity:

human, mouse, rat

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

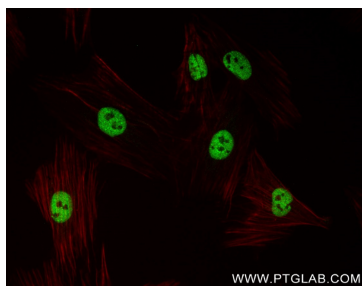
T: 4006900926

E: Proteintech-CN@ptglab.com

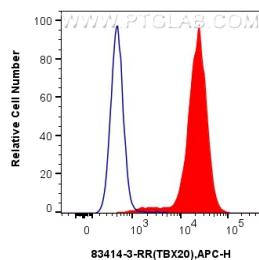
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

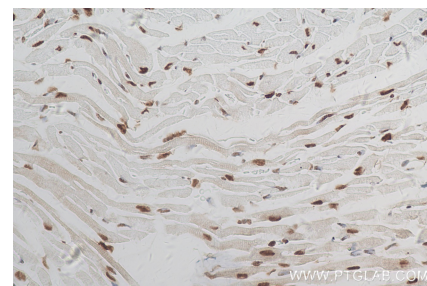
## Selected Validation Data



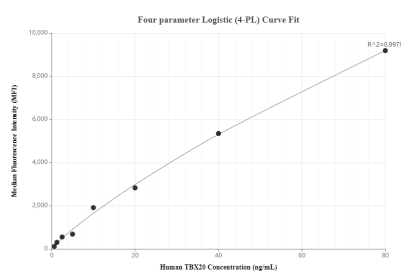
Immunofluorescent analysis of (4% PFA) fixed H9C2 cells using TBX20 antibody (83414-3-RR, Clone: 240385H6) at dilution of 1:250 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83414-3-PBS in a different storage buffer formulation.



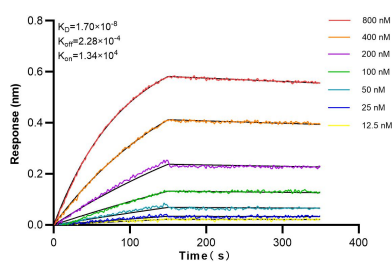
$1 \times 10^6$  K562 were intracellularly stained with 0.25 ug Tbx20 Recombinant Antibody (83414-3-RR, Clone:240385H6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83414-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83414-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00401-1, TBX20 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83414-3-PBS. Detection antibody: 83414-1-PBS. Standard: Ag18501. Range: 0.625-80 ng/mL.



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