

For Research Use Only

TBX20 Recombinant antibody

Catalog Number: 83414-3-RR



Basic Information

Catalog Number:

83414-3-RR

Concentration:

1000 ug/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

Recommended Dilutions:

IHC: 1:2000-1:8000

IF/ICC: 1:125-1:500

FC (Intra): 0.25 ug per 10⁶ cells in a
100 µl suspension

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,

FC (Intra) : K562,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

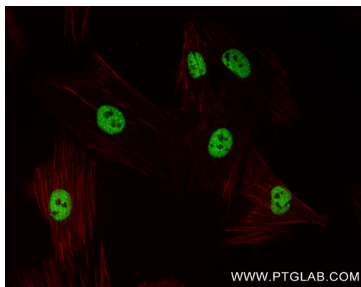
T: 4006900926

E: Proteintech-CN@ptglab.com

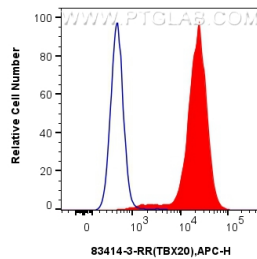
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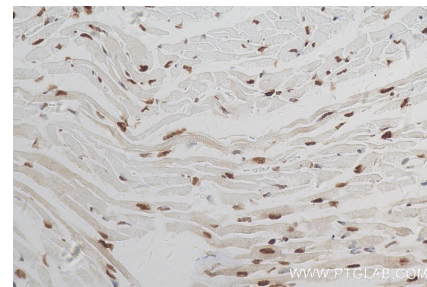
Selected Validation Data



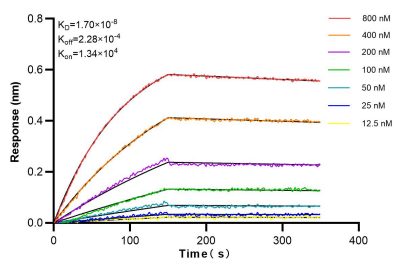
Immunofluorescent analysis of (4% PFA) fixed H9C2 cells using TBX20 antibody (83414-3-RR, Clone: 240385H6) at dilution of 1:250 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



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).



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