

For Research Use Only

# TBX20 Recombinant antibody

Catalog Number: 83414-5-RR



## Basic Information

### Catalog Number:

83414-5-RR

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### 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

### Observed MW:

50-60 kDa

### Purification Method:

Protein A purification

### CloneNo.:

240385C12

### Recommended Dilutions:

WB: 1:5000-1:50000

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

### Tested Applications:

WB, FC (Intra), ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : H9C2 cells, mouse heart tissue, rat heart tissue

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

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

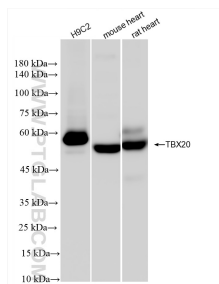
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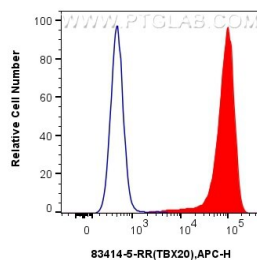
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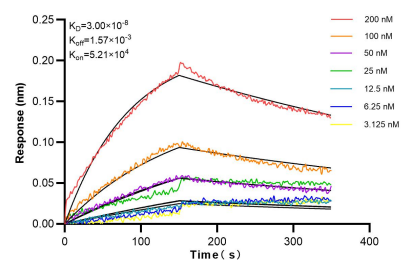
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83414-5-RR (TBX20 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> k562 were intracellularly stained with 0.25 ug Tbx20 Recombinant Antibody (83414-5-RR, Clone:240385C12) 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).



Biolayer interferometry (BLI) kinetic assays of 83414-5-RR against Human TBX20 were performed. The affinity constant is 30 nM.