

# FXVD2 Recombinant antibody

Catalog Number: 83860-1-RR

## Basic Information

<b>Catalog Number:</b> 83860-1-RR	<b>GenBank Accession Number:</b> BC013289	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 486	<b>CloneNo.:</b> 240649C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P54710	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG	<b>Full Name:</b> FXVD domain containing ion transport regulator 2	
<b>Immunogen Catalog Number:</b> AG34030	<b>Calculated MW:</b> 7 kDa	
	<b>Observed MW:</b> 7-10 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : human kidney tissue,
<b>Species Specificity:</b> human	

## Background Information

FXVD2 (FXVD domain-containing ion transport regulator 2), also known as the gamma-subunit of the NaK-ATPase, belongs to the FXVD family which has been proposed to be the regulators of Na, K-ATPase function by lowering affinities of the system for potassium and sodium. The expression of FXVD2 is most abundant in kidney, while it is also detected in several other tissues like placenta, pancreas, and dorsal root ganglia (DRGs). Three splice variants of FXVD2 have been reported in mouse kidney, namely FXVD2  $\gamma$  a,  $\gamma$  b, and  $\gamma$  c. FXVD2  $\gamma$  a has been identified as a pancreatic beta cell-specific biomarker. This antibody can recognize all three isoforms of FXVD2.

## 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

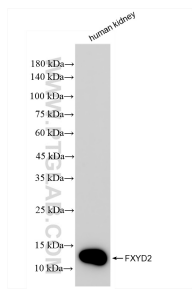
For technical support and original validation data for this product please contact:

T: 4006900926

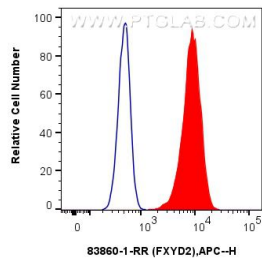
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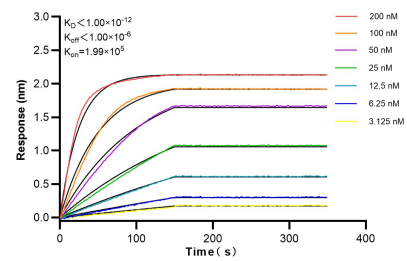
## Selected Validation Data



human kidney tissue were subjected to SDS PAGE followed by western blot with 83860-1-RR (FXYD2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug FXYD2 Recombinant antibody (83860-1-RR, Clone:240649C2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83860-1-RR against Human FXYD2 were performed. The affinity constant is below 1 pM.