

For Research Use Only

FXYP2 Recombinant antibody

Catalog Number:83860-1-RR



Basic Information

Catalog Number: 83860-1-RR	GenBank Accession Number: BC013289	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 486	CloneNo.: 240649C2
Source: Rabbit	UNIPROT ID: P54710	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: FXYP domain containing ion transport regulator 2	
Immunogen Catalog Number: AG34030	Calculated MW: 7 kDa	
	Observed MW: 7-10 kDa	

Applications

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

Background Information

FXYP2 (FXYP domain-containing ion transport regulator 2), also known as the gamma-subunit of the NaK-ATPase, belongs to the FXYP 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 FXYP2 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 FXYP2 have been reported in mouse kidney, namely FXYP2 γ a, γ b, and γ c. FXYP2 γ a has been identified as a pancreatic beta cell-specific biomarker. This antibody can recognize all three isoforms of FXYP2.

Storage

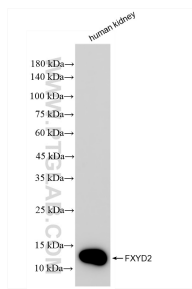
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

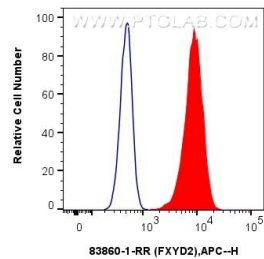
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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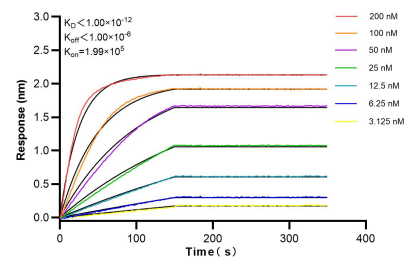
Selected Validation Data



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.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug FXYD2 Recombinant antibody (83860-1-RR, Clone:240649C2) and APC-Conjugated 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.