

FXYD2 Polyclonal Antibody

Catalog number: 11198-1-AP

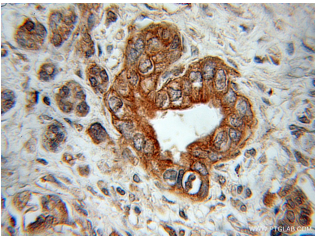
Size: 20 µg/150 µl

Source: Rabbit

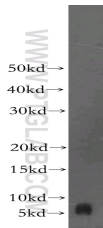
Isotype: IgG

Synonyms:

FXYD2; ATP1C, ATP1G1, FXYD2, HOMG2, Sodium pump gamma chain



Immunohistochemical of paraffin-embedded human pancreas cancer using 11198-1-AP (FXYD2 antibody) at dilution of 1:100 (under 10x lens)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11198-1-AP (FXYD2 antibody) at dilution of 1:1000

Background

FXYD2 (FXYD domain-containing ion transport regulator 2), also known as the gamma-subunit of the NaK-ATPase, belongs to the FXYD 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 FXYD2 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 FXYD2 have been reported in mouse kidney, namely FXYD2 γ a, γ b, and γ c. FXYD2 γ a has been identified as a pancreatic beta cell-specific biomarker. This antibody can recognize all three isoforms of FXYD2.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated FXYD2 MW:	7 kDa
Observed FXYD2 MW:	7 kDa
Positive WB detected in	HEK-293 cells, human kidney tissue, human liver tissue, human skeletal muscle tissue, mouse skeletal muscle tissue
Positive IHC detected in	Human pancreas cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1676
GenBank accession number:	BC013289
Gene ID (NCBI):	486
Full name:	FXYD domain containing ion transport regulator 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.