bs-13234R

[Primary Antibody]

FXYD6 Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 53826 SWISS: Q9H0Q3

Target: FXYD6

Immunogen: KLH conjugated synthetic peptide derived from human FXYD6:

15-75/95. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: The mammalian FXYD family maintains Na+ and K+ gradients between the intracellular and extracellular milieus of cells in processes such as renal Na+-reabsorption, muscle contraction and neuronal excitability. FXYDs are single-span membrane proteins that share a 35 amino acid signature domain, beginning with the sequence PFXYD and containing seven invariant and six conserved amino acids. Members of the FXYD family include FXYD1 (PLM, phospholemman), FXYD2 (the g subunit of the Na+/K+-ATPase), FXYD3 (Mat8, mammary tumor protein), FXYD4 (CHIF) and FXYD5 (RIC). FXYD6 is expressed in various epithelial cells bordering the endolymph space and in the auditory neurons. FXYD6 co-localizes with Na+/K+-ATPase in the stria vascularis and can be coimmunoprecipitated with Na+/K+-ATPase. After expression, FXYD6 associates with Na+/K+-ATPase alpha1-beta1 and alpha1-beta2 isozymes, which are preferentially expressed in different regions of the inner ear and also with gastric and non-gastric H+/K+-ATPase.

Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) ICC/IF (1:100-500) **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse,

Rat)

Predicted MW.: 9 kDa

Subcellular Location: Cell membrane ,Cytoplasm