

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.**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 co-immunoprecipitated with Na⁺/K⁺-ATPase. After expression, FXYD6 associates with Na⁺/K⁺-ATPase alpha1-beta1 and alpha1-beta2 isoforms, 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