Recombinant **DGRmAb®**

FXYD1 (DGR20134) Rabbit mAb

db14357

Package : 10μL 20μL 50μL 100μL

Product Name : FXYD1 (DGR20134) Rabbit mAb

Cat.No.: db14357

Synonyms : PLM

Application : WB, IHC-P, IP

Reactivity : Human

Host species : Rabbit

Background	This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. Mouse FXYD5 has been termed RIC (Related to Ion Channel). FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. The protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. It is thought to form an ion channel or regulate ion channel activity. Transcript variants with different 5' UTR sequences have been described in the literature. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human FXYD1
Gene ID	5348
Swiss Prot	O00168
Synonyms	PLM
Reactivity	Human
Application	WB, IHC-P, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:200-1:500 IP: 1:50-1:100
Calculated MW	10 kDa

Observed MW	10 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR20134
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

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