antibodies -online.com





anti-FXYD1 antibody





Go to Product page

| () | ve | K\ / | | A . |
|-----|--------|------|----|-----|
| | \cup | 1 V/ | Щ. | V۷ |
| | | | | |

| Quantity: | 200 μL |
|--------------|--------------------------------------|
| Target: | FXYD1 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FXYD1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Immunogen: | A synthetic peptide of human FXYD1 (NP_005022.2). |
|------------------|---|
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Affinity purification |

Target Details

| Target: | FXYD1 |
|-------------------|--|
| Alternative Name: | FXYD1 (FXYD1 Products) |
| 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.

Molecular Weight:

Observed_MW: 16 kDa

Calculated MW: 10 kDa

Gene ID:

5348

UniProt:

000168

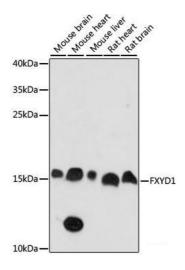
Application Details

Application Notes: WB 1:500-1:2000

Restrictions: For Research Use only

Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 1 mg/mL |
| Buffer: | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3 |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines using FXYD1 Polyclonal Antibody at dilution of 1:1000.