

FXYD1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20771c**Specification**

FXYD1 Antibody (C-term) - Product Information

| | |
|-------------------|--|
| Application | WB,E |
| Primary Accession | O00168 |
| Other Accession | O08589 , Q9Z239 , Q3SZX0 , G1TZA0 , W5P3P0 |
| Reactivity | Rat |
| Predicted | Bovine, Mouse, Rabbit, Sheep |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 10441 |

FXYD1 Antibody (C-term) - Additional Information**Gene ID** 5348**Other Names**

Phospholemman, FXYD domain-containing ion transport regulator 1, FXYD1, PLM

Target/Specificity

This FXYD1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 69-101 amino acids from the C-terminal region of human FXYD1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FXYD1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FXYD1 Antibody (C-term) - Protein Information**Name** FXYD1 ([HGNC:4025](#))**Function** Associates with and regulates the activity of the sodium/potassium-transporting ATPase

(NKA) which transports Na(+) out of the cell and K(+) into the cell. Inhibits NKA activity in its unphosphorylated state and stimulates activity when phosphorylated. Reduces glutathionylation of the NKA beta-1 subunit ATP1B1, thus reversing glutathionylation-mediated inhibition of ATP1B1. Contributes to female sexual development by maintaining the excitability of neurons which secrete gonadotropin-releasing hormone.

Cellular Location

Cell membrane, sarcolemma {ECO:0000250|UniProtKB:P56513}; Single-pass type I membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:O08589}; Single-pass type I membrane protein. Membrane, caveola {ECO:0000250|UniProtKB:O08589}. Cell membrane, sarcolemma, T-tubule {ECO:0000250|UniProtKB:O08589}. Note=Detected in the apical cell membrane in brain. In myocytes, localizes to sarcolemma, t-tubules and intercalated disks. {ECO:0000250|UniProtKB:O08589}

Tissue Location

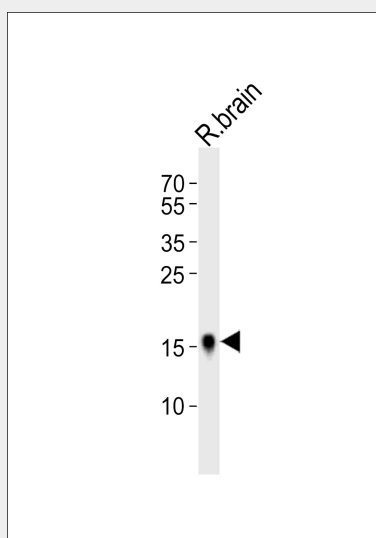
Highest expression in skeletal muscle and heart. Moderate levels in brain, placenta, lung, liver, pancreas, uterus, bladder, prostate, small intestine and colon with mucosal lining. Very low levels in kidney, colon and small intestine without mucosa, prostate without endothelial lining, spleen, and testis

FXYD1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FXYD1 Antibody (C-term) - Images



Western blot analysis of lysate from rat brain tissue lysate, using FXYD1 Antibody (C-term)(Cat. #AP20771c). AP20771c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution

was used as the secondary antibody. Lysate at 35ug.

FXVD1 Antibody (C-term) - Background

May have a functional role in muscle contraction. Induces a hyperpolarization-activated chloride current when exogenously expressed.

FXVD1 Antibody (C-term) - References

Chen L.-S.K.,et al.Genomics 41:435-443(1997).
Sweadner K.J.,et al.Genomics 68:41-56(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mounsey J.P.,et al.J. Biol. Chem. 275:23362-23367(2000).
Tulloch L.B.,et al.J. Biol. Chem. 286:36020-36031(2011).