

FXYD1 Polyclonal Antibody | anti-FXYD1 antibody

Anti-FXYD1 Antibody

CATALOG # AAA46254	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

FXYD1; Polyclonal Antibody; Anti-FXYD1 Antibody; Phospholemman; FXYD domain containing ion transport regulator 1; PLM; anti-FXYD1 antibody

PRODUCT SPECIFICATIONS

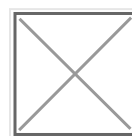
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	92
Applicable Applications for anti-FXYD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human FXYD1 recombinant protein (Position: E21-R92). Human FXYD1 shares 86.1% and 87.5% amino acid (aa) sequence identity with mouse and rat FXYD1, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



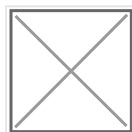
IHC (Immunohistochemistry)

Anti- FXYZ1 Picoband antibody, AAA46254, IHC(P)IHC(P): Human Prostatic Cancer Tissue



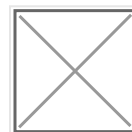
IHC (Immunohistochemistry)

Anti- FXYZ1 Picoband antibody, AAA46254, IHC(P)IHC(P): Rat Cardiac Muscle Tissue



IHC (Immunohistochemistry)

Anti- FXYZ1 Picoband antibody, AAA46254, IHC(P)IHC(P): Mouse Cardiac Muscle Tissue



WB (Western Blot)

Anti- FXYZ1 Picoband antibody, AAA46254, Western blottingAll lanes: Anti FXYZ1 (AAA46254) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Cardiac Muscle Tissue Lysate at 50ugLane 3: Mouse Cardiac Muscle Tissue Lysate at 50ugLane 4: HEPG2 Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugPredicted bind size: 10KDObserved bind size: 10KD

ADDITIONAL INFORMATION

Related Product Information for anti-FXYD1 antibody	Description: Rabbit IgG polyclonal antibody for Phospholemman(FXYD1) detection. Tested with WB, IHC-P in Human;Rat;Mouse. Background: Phospholemman is a protein that in humans is encoded by the FXYD1 gene. 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. 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. Transcript variants with different 5' UTR sequences have been described in the literature.
References	1. "Entrez Gene: FXYD1 FXYD domain containing ion transport regulator 1 (phospholemman)". 2. Chen LS, Lo CF, Numann R, Cuddy M (Jul 1997). "Characterization of the human and rat phospholemman (PLM) cDNAs and localization of the human PLM gene to chromosome 19q13.1". Genomics 41 (3): 435-43.

NCBI AND UNIPROT INFORMATION

NCBI GI #	523498702
NCBI GeneID	5348
NCBI Accession #	NP_001265646.1
NCBI GenBank Nucleotide #	NM_001278717.1
UniProt Accession #	O00168; A8K196
NCBI Official Full Name	phospholemman
NCBI Official Synonym Full Names	FXYD domain containing ion transport regulator 1
NCBI Official Symbol	FXYD1
NCBI Official Synonym Symbols	PLM
NCBI Protein Information	phospholemman
UniProt Protein Name	Phospholemman
UniProt Gene Name	FXYD1
UniProt Synonym Gene Names	PLM
UniProt Entry Name	PLM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fxyd1-antibody-immunohistochemistry-western-blot-elisa/46254>