For Research Use Only

FXYD1 Monoclonal antibody

Catalog Number:67150-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
67150-1-Ig

Size:
1600 μg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG25307

GenBank Accession Number:
BC032800

GeneID (NCBI):
5348

UNIPROT ID:
O00168

Full Name:
FXYD domain containing ion transport regulator 1

Calculated MW:
92 aa, 10 kDa

Observed MW:
15 kDa

Purification Method:
Protein A purification

CloneNo.:
2C10G9

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:50-1:500
IF-P 1:200-1:800

Applications

Tested Applications:
IF-P, IHC, WB, ELISA

Species Specificity:
Human, Pig, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human heart tissue, human skeletal muscle tissue, pig heart tissue

IHC : human heart tissue,

IF-P : mouse heart tissue,

Background Information

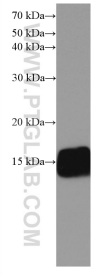
FXYD1, also named as PLM and Phospholemman, belongs to the FXYD family. FXYD1 induces a hyperpolarization-activated chloride current when expressed in Xenopus oocytes. It may have a functional role in muscle contraction. FXYD1 is a partner protein and regulator of the Na+,K+-ATPase (Na+,K+-pump). It may play a role in the acute regulation of the Na+,K+-ATPase response to exercise. (PMID: 20595385, 21653224)

Storage

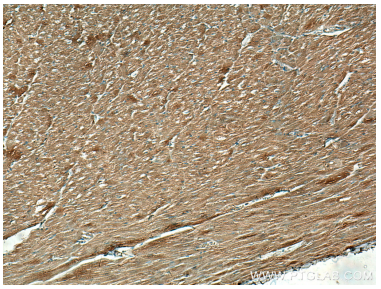
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

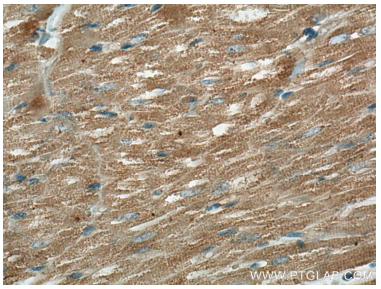
Selected Validation Data



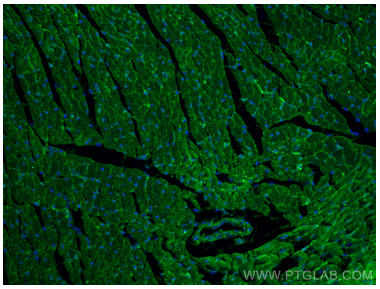
human heart tissue were subjected to SDS PAGE followed by western blot with 67150-1-Ig (FXYD1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



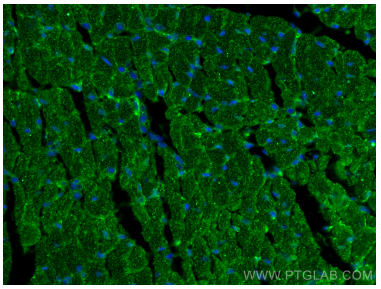
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 67150-1-Ig (FXYD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 67150-1-Ig (FXYD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using FXYD1 antibody (67150-1-Ig, Clone: 2C10G9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using FXYD1 antibody (67150-1-Ig, Clone: 2C10G9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).