For Research Use Only

Biotin Plus-conjugated ATP1A2-Specific Polyclonal antibody

Catalog Number:Biotin-55179 Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
Biotin-55179

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000702

GeneID (NCBI):
477

UNIPROT ID:
P50993

Full Name:
ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide

Calculated MW:
112 kDa

Observed MW:
100 kDa

Purification Method:
Antigen Affinity Purified

Recommended Dilutions:
IHC 1:50-1:500

Applications

Tested Applications:
IHC

Species Specificity:
human, 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:

IHC : mouse heart tissue,

Background Information

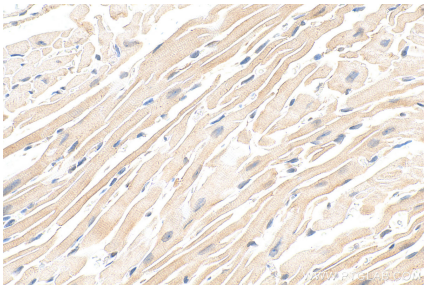
ATP1A2, also named as KIAA0778, belongs to the cation transport ATPase (P-type) family and Type IIC subfamily. It is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. Defects in ATP1A2 are the cause of familial hemiplegic migraine type 2 (FHM2). Defects in ATP1A2 are a cause of alternating hemiplegia of childhood (AHC). This antibody is specific to ATP1A2.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using Biotin-55179 (ATP1A2-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).