# CoraLite® Plus 488-conjugated ATP1A1-Specific Polyclonal antibody
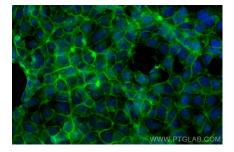
Catalog Number:CL488-55187    Featured Product

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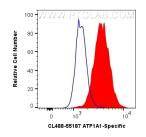Antibodies | ELISA kits | Proteins
www.ptglab.com

## Basic Information

Catalog Number:
CL488-55187

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000701

GeneID (NCBI):
476

ENSEMBL Gene ID:
ENSG00000163399

UNIPROT ID:
P05023

Full Name:
ATPase, Na+/K+ transporting, alpha 1 polypeptide

Calculated MW:
113 kDa

Observed MW:
100-110 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

## Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse

Positive Controls:
IF/ICC : HEK-293 cells,

## Background Information

ATP1A1 is the catalytic component of Na+/K+-ATPase which is a membrane bound enzyme primarily involved in generation of Na+ and K+ gradients across plasma membranes and in determination of cytoplasmic Na+ levels. ATP1A1 is a ubiquitously expressed membrane protein and often used as the marker or internal control for plasma membrane protein. This antibody is specific to ATP1A1.

## Storage

Storage:
Store at -20℃. 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

# Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HEK-293 cells using CoraLite® Plus 488 ATP1A1-Specific antibody (CL488-55187) at dilution of 1:200.



1X10^6 HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ATP1A1-Specific (CL488-55187) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).