

For Research Use Only

CoraLite® Plus 488-conjugated WNK1 Monoclonal antibody



Catalog Number: **CL488-68149**

Basic Information

Catalog Number:

CL488-68149

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28044

GenBank Accession Number:

BC021121

GeneID (NCBI):

65125

UNIPROT ID:

Q9H4A3

Full Name:

WNK lysine deficient protein kinase 1

Calculated MW:

251 kDa

Observed MW:

250 kDa

Purification Method:

Protein A purification

CloneNo.:

1B6A10

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, Mouse, Rat

Background Information

WNK kinase is a unique serine-threonine kinase in which the lysine (K) residue in the catalytic domain, that is found in the majority of kinases is not conserved. In mammals, there are four WNK kinase family members (WNK1-4). WNK1 has 6 isoforms, such as long form WNK1 (L-WNK1, 250 kDa, strong expression in dorsal root ganglia and spinal cord); kidney-specific isoform (KS-WNK1, 207 kDa, lacks a kinase domain). KS-WNK1 cannot phosphorylate substrates and instead interacts with and modulates the actions of other WNKs via a carboxyl terminal HQ domain.

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:

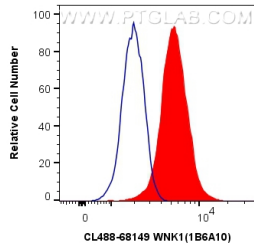
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HEK-293T cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human WNK1 (CL488-68149, Clone:1B6A10) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).