

CoraLite® Plus 488-conjugated LRRC8C Polyclonal antibody

Catalog Number: **CL488-21601**

Basic Information

Catalog Number:

CL488-21601

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16213

GenBank Accession Number:

BC113973

GeneID (NCBI):

84230

UNIPROT ID:

Q8TDW0

Full Name:

leucine rich repeat containing 8
family, member C

Calculated MW:

803 aa, 92 kDa

Observed MW:

92 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

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

LRRC8C (Leucine-rich repeat-containing protein 8C), also known as AD158, is a non-essential component of the volume-regulated anion channel (VRAC, also known as VSOAC channel), which is required to maintain a constant cell volume in response to extracellular or intracellular permeability changes. The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine. The VRAC channel also mediates transport of immunoreactive cyclic dinucleotide GMP-AMP (2'-3'-cGAMP), an immune messenger produced in response to DNA virus in the cytosol (PMID:24790029; 26824658; 28193731).

Storage

Storage:

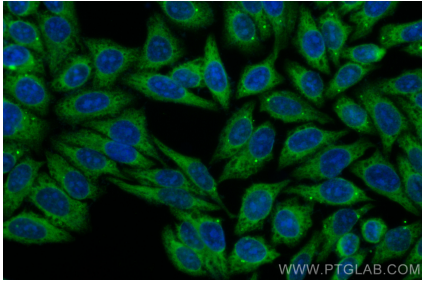
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol)
fixed HepG2 cells using CoraLite® Plus 488
LRRC8C antibody (CL488-21601) at dilution of
1:200.