

LRRC8C Monoclonal antibody

Catalog Number: 68323-1-Ig

Basic Information

Catalog Number:

68323-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17001

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:

105 kDa

Purification Method:

Protein A purification

CloneNo.:

4A6A4

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

Human

Positive Controls:

WB : HeLa cells, U2OS cells, HEK-239 cells

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:

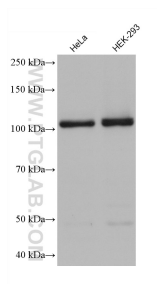
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

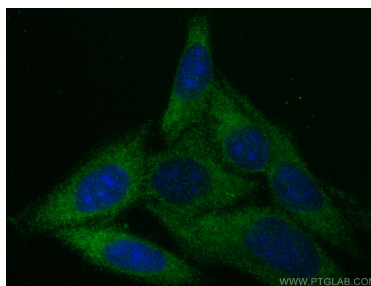
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68323-1-Ig (LRRC8C antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using LRRC8C antibody (68323-1-Ig, Clone: 4A6A4) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).