

CoraLite® Plus 488-conjugated RALYL Monoclonal antibody

Catalog Number: **CL488-67534**

Basic Information

Catalog Number:

CL488-67534

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11676

GenBank Accession Number:

BC031090

GeneID (NCBI):

138046

UNIPROT ID:

Q86SE5

Full Name:

RALY RNA binding protein-like

Calculated MW:

291 aa, 32 kDa

Observed MW:

35-40 kDa

Purification Method:

Protein G purification

CloneNo.:

1F3F4

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, rat, pig

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

RALY RNA binding protein-like (RALYL) belongs to the RALY subfamily. RALYL locates in 8q21.2, the function of which is RNA-binding and nucleotide binding. The RALYL high expression in the normal adrenal, kidney and brain (Shyamsundar et al., 2005). Furthermore, RALYL expression down-regulated correlates with mental disorder (Lee et al., 2007), Parkinson's disease (Moran et al., 2006), brain cancer (Maris et al., 2008), adrenal cancer (Giordano et al., 2009) and kidney cancer (Higgins et al., 2003). The expression of RALYL was significantly low in Clear Cell Renal Cell Carcinoma and correlated with a poor prognosis in a large number of clinical samples. Our findings showed that RALYL may be a potential therapeutic target as well as a poor prognostic

Storage

Storage:

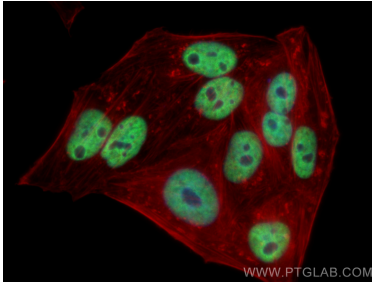
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

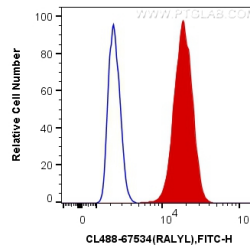
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 RALYL antibody (CL488-67534, Clone: 1F3F4) at dilution of 1:200, CL594-Phalloidin (red).



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RALYL (CL488-67534, Clone:1F3F4) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).