

CoraLite® Plus 488-conjugated RS1 Polyclonal antibody

Catalog Number: **CL488-24430**

Basic Information

Catalog Number:

CL488-24430

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18885

GenBank Accession Number:

BC141638

GeneID (NCBI):

6247

UNIPROT ID:

O15537

Full Name:

retinoschisin 1

Calculated MW:

26 kDa

Observed MW:

26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 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 : hTERT-RPE1 cells,

Background Information

RS1 is also named as XLRS1. RS1 can bind negatively charged membrane lipids, such as phosphatidylserine and phosphoinositides. RS1 is required for normal structure and function of the retina (PMID:19093009). It may play a role in cell-cell adhesion processes in the retina (PMID:27114531). RS1 is high expression in the retina (at protein level) (PMID:10915776, PMID:9326935). It is detected in the inner segment of the photoreceptors, the inner nuclear layer, the inner plexiform layer and the ganglion cell layer. At the macula, it is expressed in both the outer and inner nuclear layers and in the inner plexiform layer (PMID:10915776, PMID:10915776). And RS1 is undetectable in the inner plexiform layers and the inner nuclear layer (PMID:10915776)

Storage

Storage:

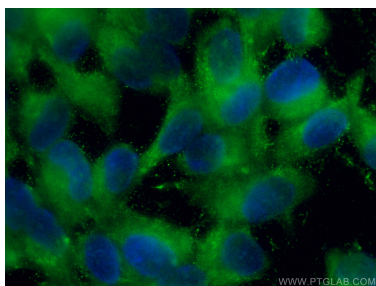
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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 hTERT-RPE1 cells using CoraLite® Plus 488 RS1 antibody (CL488-24430) at dilution of 1:200.