

CoraLite® Plus 488-conjugated TPD52L2 Monoclonal antibody

Catalog Number: **CL488-68077**

Basic Information

Catalog Number:

CL488-68077

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG30863

GenBank Accession Number:

BC006804

GeneID (NCBI):

7165

UNIPROT ID:

O43399

Full Name:

tumor protein D52-like 2

Calculated MW:

206 aa, 22 kDa

Observed MW:

25-30 kDa

Purification Method:

Protein A purification

CloneNo.:

3B3C6

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

Positive Controls:

IF/ICC : HCT 116 cells,

Background Information

Tumor protein D52-like proteins (TPD52) are small coiled-coil motif bearing proteins that were first identified in breast carcinoma. Three human TPD52 members had been identified, named hD52 (TPD52), hD53 (TPD52L1), and hD54 (TPD52L2). The most important characteristic of the protein family is a highly conserved coiled-coil motif that is required for homo- and heteromeric interaction with other TPD52-like proteins. TPD52 and related proteins have been implicated in cell proliferation, apoptosis, and vesicle trafficking. TPD52L2 has five isoforms produced by alternative splicing, and its multiple sites have been identified to be phosphorylated. Interaction of TPD52L2 with MAL2, a novel member of the MAL proteolipid family, may be required for the role of TPD52L2 in vesicle transport.

Storage

Storage:

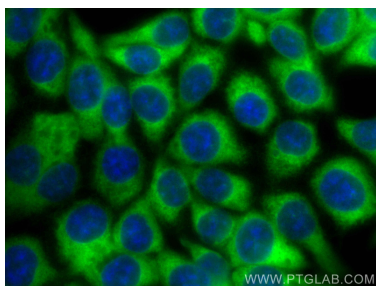
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

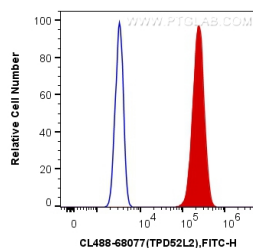
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HCT 116 cells using CoraLite® Plus 488 TPD52L2 antibody (CL488-68077, Clone: 3B3C6) at dilution of 1:200.



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488 Anti-Human TPD52L2 (CL488-68077, Clone:3B3C6) (red), or 0.4 μ g Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).