

For Research Use Only

CoraLite® Plus 488-conjugated PDS5B Recombinant monoclonal antibody

Catalog Number: CL488-86088-2



Basic Information

Catalog Number:

CL488-86088-2

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27977

GenBank Accession Number:

NM_015032

GeneID (NCBI):

23047

UNIPROT ID:

Q9NTI5

Full Name:

PDS5, regulator of cohesion
maintenance, homolog B (S.
cerevisiae)

Calculated MW:

165 aa

Observed MW:

166 kDa

Purification Method:

Protein A purification

CloneNo.:

250461B12

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

PDS5B (PDS5 Cohesin Scc1-like Protein B) is a protein associated with sister chromatid cohesion and maintenance of chromosome structure. It plays a significant role in cell cycle regulation, DNA repair, and gene expression. PDS5B interacts with the cohesin complex to ensure the proper separation of sister chromatids during cell division. Additionally, PDS5B is crucial in DNA damage repair, particularly during homologous recombination, helping to maintain genomic stability. It also indirectly affects gene expression and chromatin structure by modulating the function of the cohesin complex. PDS5B is widely expressed during embryonic development and is highly expressed in the brain and testes in adulthood. Its dysfunction is associated with multiple diseases, including Cohesinopathies and Cornelia de Lange syndrome.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

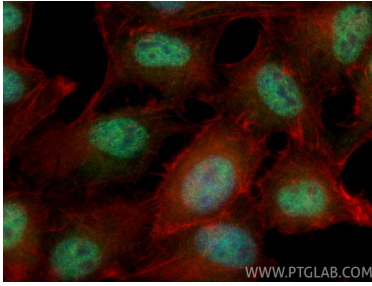
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 PDS5B antibody (CL488-86088-2, Clone: 250461B12) at dilution of 1:200, CL594-phalloidin (red).