

For Research Use Only

CoraLite® Plus 488-conjugated PDS5B Recombinant monoclonal antibody

Catalog Number: CL488-86088-2



Basic Information

Catalog Number: CL488-86088-2	GenBank Accession Number: NM_015032	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 23047	CloneNo.: 250461B12
Isotype: IgG	UNIPROT ID: Q9NTI5	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG27977	Full Name: PDS5, regulator of cohesion maintenance, homolog B (S. cerevisiae)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 165 aa	
	Observed MW: 166 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

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:

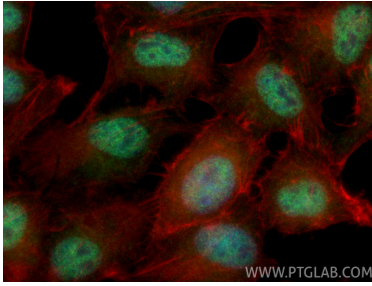
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).