

For Research Use Only

PDS5B Recombinant antibody, PBS Only

Catalog Number: 86088-2-PBS



Basic Information

Catalog Number: 86088-2-PBS	GenBank Accession Number: NM_015032	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23047	CloneNo.: 250461B12
Source: Rabbit	UNIPROT ID: Q9NTI5	
Isotype: IgG	Full Name: PDS5, regulator of cohesion maintenance, homolog B (S. cerevisiae)	
Immunogen Catalog Number: AG27977	Calculated MW: 165 aa	
	Observed MW: 166 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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.

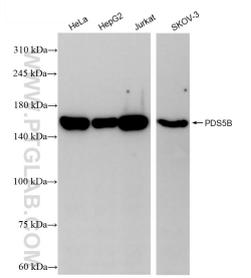
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

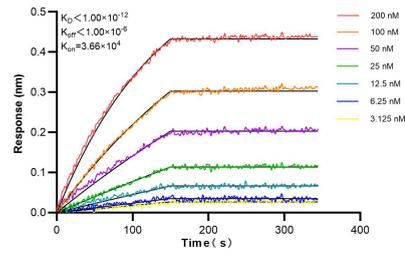
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86088-2-RR (PDS5B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86088-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86088-2-RR against Human PDS5B were performed. The affinity constant is below 1 pM.