

For Research Use Only

PDS5B Recombinant antibody

Catalog Number: 86088-2-RR



Basic Information

Catalog Number:

86088-2-RR

Size:

100ul , Concentration: 1000 µg/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:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, SKOV-3 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

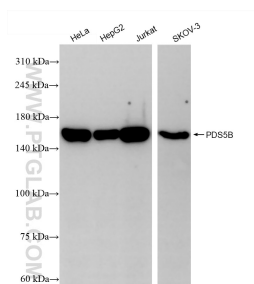
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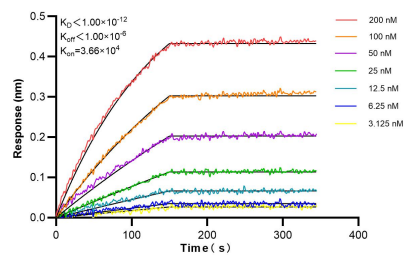
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Selected Validation Data



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.



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