

For Research Use Only

PDS5B Polyclonal antibody, PBS Only

Catalog Number: 28318-1-PBS



Basic Information

Catalog Number:

28318-1-PBS

Concentration:

1 mg/ml

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:

150 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

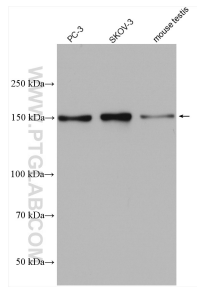
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28318-1-AP (PDS5B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28318-1-PBS in a different storage buffer formulation.