



Rabbit Anti-PDS5B antibody

SL12605R

Product Name:	PDS5B
Chinese Name:	雄激素诱导细胞增殖抑制蛋白抗体
Alias:	AI646570; Androgen induced proliferation inhibitor; Androgen-induced prostate proliferative shutoff associated protein AS3; APRIN; AS3; AW212954; CG008; FLJ23236; KIAA0979; mKIAA0979; PDS5, regulator of cohesion maintenance, homolog B (S. cerevisiae); Pds5b; RP1 267P19.1; Sister chromatid cohesion protein PDS5 homolog B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	165kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PDS5B:1051-1150/1447
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a protein that interacts with the conserved protein complex termed cohesion. The cohesion complex holds together sister chromatids and facilitates accurate chromosome segregation during mitosis and meiosis. This protein is also a

negative regulator of cell proliferation and may be a tumor-suppressor gene. [provided by RefSeq, May 2010]

Function:

Regulator of sister chromatid cohesion in mitosis which may stabilize cohesin complex association with chromatin. May couple sister chromatid cohesion during mitosis to DNA replication. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Plays a role in androgen-induced proliferative arrest in prostate cells.

Subunit:

Interacts with the cohesin complex. Interacts with RAD21; the interaction is direct. Interacts with WAPAL (via FGF motifs) or CDCA5 (via the FGF motif); the interaction is direct, cohesin-dependent and competitive (Probable).

Subcellular Location:

Nuclear

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the PDS5 family.
Contains 3 A.T hook DNA-binding domains.
Contains 1 HEAT repeat.

SWISS:

Q9NTI5

Gene ID:

23047

Database links:

[Entrez Gene: 23047](#) Human

[Entrez Gene: 100710](#) Mouse

[Entrez Gene: 304218](#) Rat

[Omim: 605333](#) Human

[SwissProt: Q9NTI5](#) Human

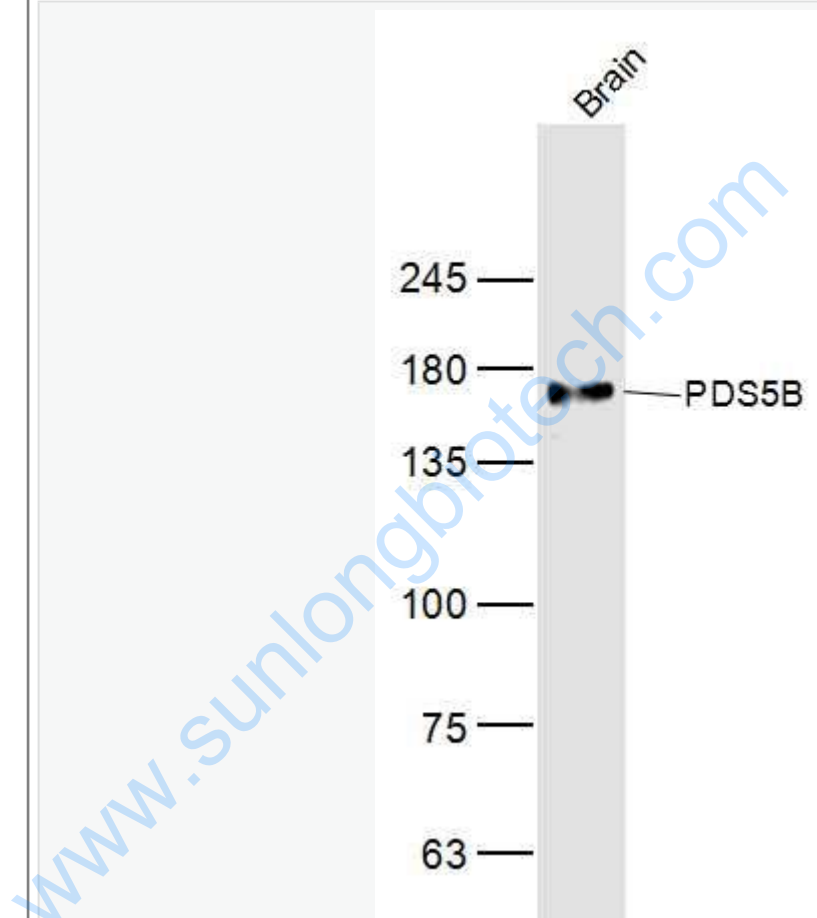
[SwissProt: Q4VA53](#) Mouse

[SwissProt: Q6TRW4](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Brain (Mouse) Lysate at 40 ug

Primary: Anti-PDS5B (SL12605R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 165 kD

	Observed band size: 165 kD
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