

PDS5B Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21942b

Product Information

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|-------------------|------------------------|
| Application | WB, E |
| Primary Accession | Q9NTI5 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB54515 |
| Calculated MW | 164667 |

Additional Information

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| Gene ID | 23047 |
| Other Names | Sister chromatid cohesion protein PDS5 homolog B, Androgen-induced proliferation inhibitor, Androgen-induced prostate proliferative shutoff-associated protein AS3, PDS5B |
| Target/Specificity | This PDS5B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1197-1228 amino acids from human PDS5B. |
| Dilution | WB~~1:2000 E~~Use at an assay dependent concentration. |
| Format | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Precautions | PDS5B Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|----------|---|
| Name | PDS5B |
| 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.

Cellular Location Nucleus {ECO:0000250|UniProtKB:Q6TRW4}.

Tissue Location Widely expressed..

Background

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.

References

Geck P.,et al.J. Steroid Biochem. Mol. Biol. 63:211-218(1997).

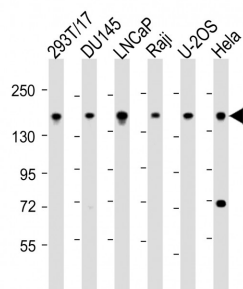
Geck P.,et al.J. Steroid Biochem. Mol. Biol. 68:41-50(1999).

Nagase T.,et al.DNA Res. 6:63-70(1999).

Nakajima D.,et al.DNA Res. 9:99-106(2002).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



All lanes : Anti-PDS5B Antibody (C-Term) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: DU145 whole cell lysate Lane 3: LNCaP whole cell lysate Lane 4: Raji whole cell lysate Lane 5: U-2OS whole cell lysate Lane 6: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 165 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.