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# PLK1S1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18569a

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q2M2Z5 |
| **Other Accession** | NP_001156494.1 |
| **Reactivity** | Human |
| **Predicted** | Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB30452 |
| **Calculated MW** | 75111 |
| **Antigen Region** | 57-86 |

## Additional Information

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| **Gene ID** | 55857 |
| **Other Names** | Centrosomal protein kizuna, Polo-like kinase 1 substrate 1, KIZ, C20orf19, NCRNA00153, PLK1S1 |
| **Target/Specificity** | This PLK1S1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 57-86 amino acids from the N-terminal region of human PLK1S1. |
| **Dilution** | WB~~1:1000 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** | PLK1S1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | KIZ |
| **Synonyms** | C20orf19, NCRNA00153, PLK1S1 |

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| **Function** | Centrosomal protein required for establishing a robust mitotic centrosome architecture that can endure the forces that converge on the centrosomes during spindle formation. Required for stabilizing the expanded pericentriolar material around the centriole. |
| **Cellular Location** | Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body Note=Localizes to centrosomes throughout the cell cycle. After centrosome duplication, it usually remains associated only with the mother centrosome, containing the older mature centriole and particles surrounding it. During prophase, additional particles accumulate around both separating centrosomes. Does not accumulate at the microtubule minus ends, but instead localizes to the centrosomes and centrosome- surrounding area in a microtubule-independent and dependent manner, respectively. |

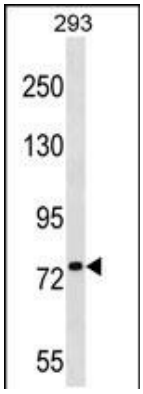
## Background

Centrosomal protein required for establishing a robust mitotic centrosome architecture that can endure the forces that converge on the centrosomes during spindle formation. Required for stabilizing the expanded pericentriolar material around the centriole.

## References

Oshimori, N., et al. EMBO J. 28(14):2066-2076(2009)
Oshimori, N., et al. Nat. Cell Biol. 8(10):1095-1101(2006)

## Images




PLK1S1 Antibody (N-term) (Cat. #AP18569a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the PLK1S1 antibody detected the PLK1S1 protein (arrow).

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