

For Research Use Only

PLK2 Recombinant antibody

Catalog Number: 83431-1-RR



Basic Information

Catalog Number: 83431-1-RR	GenBank Accession Number: BC013879	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10769	CloneNo.: 230520B2
Source: Rabbit	UNIPROT ID: Q9NYY3	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	Full Name: polo-like kinase 2 (Drosophila)	
Immunogen Catalog Number: AG29837	Calculated MW: 685 aa, 78 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : hTERT-RPE1 cells,
Species Specificity: human	

Background Information

PLK2(Polo-like kinase 2) is also named as SNK and belongs to the Ser/Thr protein kinase family. It plays a role in normal cell division. Plk2 expression is detected only in G1, and endogenous Plk2 is rapidly turned over. Therefore, the expression of the three mammalian Plks during the cell cycle resembles the successive transition of the cyclins, prompting speculation that Plks may regulate the cell cycle in a manner analogous to that of Cdk's(PMID:12972611).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

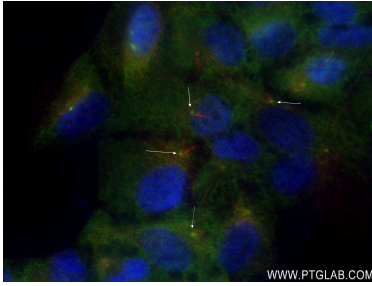
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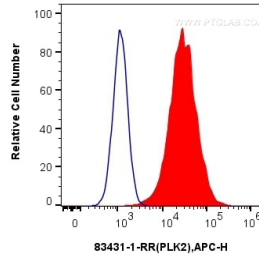
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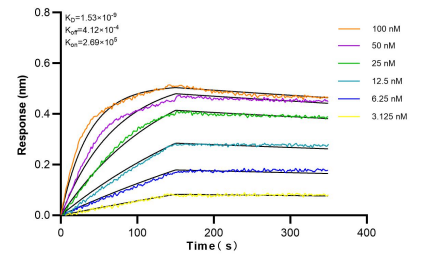
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using PLK2 antibody (83431-1-RR, Clone: 230520B2) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), Acetyl-Tubulin (Lys40) antibody (66200-1-Ig, Clone: 7E5H8, red).



1×10^6 A549 cells were intracellularly stained with 0.25 μ g PLK2 Recombinant Antibody (83431-1-RR, Clone:230520B2) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83431-1-RR against Human PLK2 were performed. The affinity constant is 1.53 nM.