

PLK2 Recombinant antibody

Catalog Number: 83431-1-RR

Basic Information

Catalog Number:

83431-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29837

GenBank Accession Number:

BC013879

GeneID (NCBI):

10769

UNIPROT ID:

Q9NYY3

Full Name:

polo-like kinase 2 (Drosophila)

Calculated MW:

685 aa, 78 kDa

Purification Method:

Protein A purification

CloneNo.:

230520B2

Recommended Dilutions:

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : hTERT-RPE1 cells,

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

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

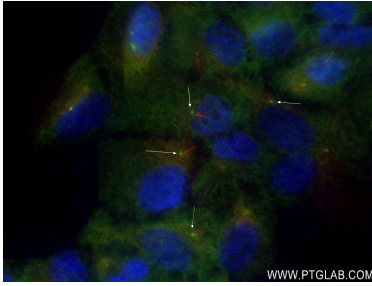
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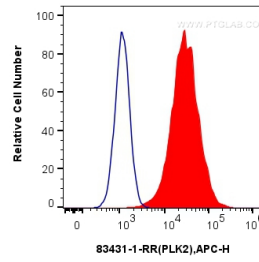
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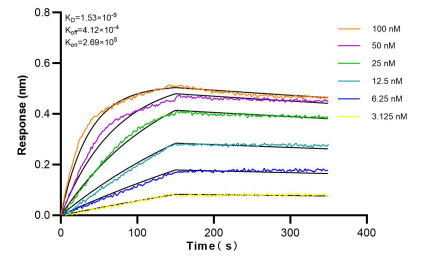
Selected Validation Data



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 AffiniPure 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 AffiniPure 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).



Biolayer interferometry (BLI) kinetic assays of 83431-1-RR against Human PLK2 were performed. The affinity constant is 1.53 nM.