

For Research Use Only

PLK4 Polyclonal antibody

Catalog Number: 28750-1-AP **1 Publications**



Basic Information

Catalog Number: 28750-1-AP	GenBank Accession Number: BC036023	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 10733	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: O00444	
Isotype: IgG	Full Name: polo-like kinase 4 (Drosophila)	
Immunogen Catalog Number: AG30482	Calculated MW: 970 aa, 109 kDa	

Applications

Tested Applications: IF/ICC, IHC, ELISA	Positive Controls:
Cited Applications: WB	IHC: human colon cancer tissue, mouse testis tissue
Species Specificity: Human, Mouse	IF: hTERT-RPE1 cells,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PLK4 (Polo-like kinase 4) is also named SAK, STK18 and belongs to the Ser/Thr protein kinase family. It plays a central role in centriole duplication and is a kinase implicated in tumor development, which is an upstream regulator of canonical biogenesis necessary for centriole formation. It has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Jun Zhang	37788590	Biochem Biophys Res Commun	WB

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:

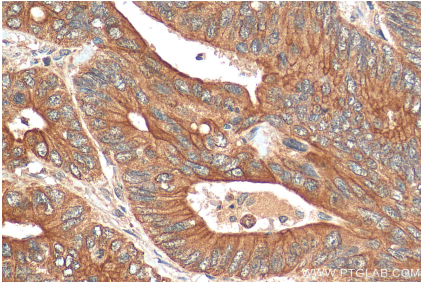
T: 4006900926

E: Proteintech-CN@ptglab.com

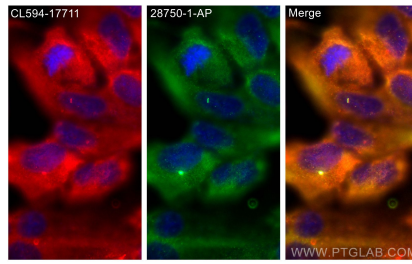
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 28750-1-AP (PLK4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed hTERT-RPE1 cells using PLK4 antibody (28750-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite® 594 ARL13B antibody (CL594-17711, red).