

For Research Use Only

PLK4 Polyclonal antibody

Catalog Number: 28750-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

28750-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30482

GenBank Accession Number:

BC036023

GeneID (NCBI):

10733

UNIPROT ID:

O00444

Full Name:

polo-like kinase 4 (Drosophila)

Calculated MW:

970 aa, 109 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human, Mouse

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

Positive Controls:

IHC : human colon cancer tissue, mouse testis tissue

IF/ICC : hTERT-RPE1 cells,

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
Marine H Laporte	38604175	Cell	IF
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

*** 20ul sizes contain 0.1% BSA

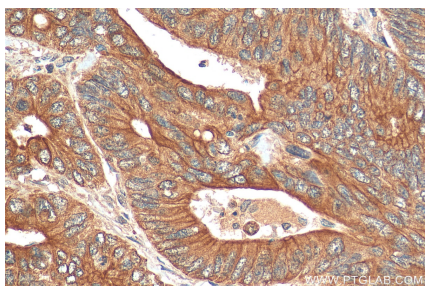
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

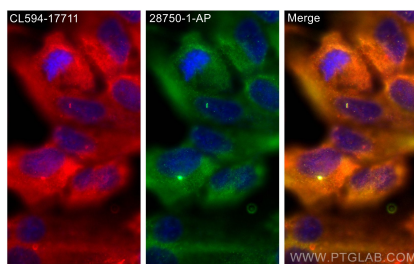
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).