

For Research Use Only

POLD2 Polyclonal antibody

Catalog Number: 29765-1-AP



Basic Information

Catalog Number:

29765-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31521

GenBank Accession Number:

BC000459

GeneID (NCBI):

5425

UNIPROT ID:

P49005

Full Name:

polymerase (DNA directed), delta 2, regulatory subunit 50kDa

Calculated MW:

51 kDa

Observed MW:

48-51 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:200-1:800

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

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:

WB : HEK-293T cells, NIH/3T3 cells, HeLa cells, Jurkat cells, SGC-7901 cells, U-251 cells, mouse colon tissue, mouse pancreas tissue, rat colon tissue

IHC : human colon tissue, human lung cancer tissue

IF/ICC : HeLa cells,

Background Information

POLD2, also named as DNA polymerase delta subunit 2, is a 469 amino acid protein, which belongs to the DNA polymerase delta/II small subunit family. The function of the small subunit is not yet clear. POLD2 has an essential function for the small subunit in the heterodimeric core enzyme.

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:

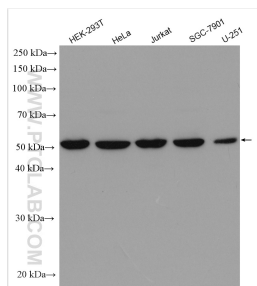
T: 4006900926

E: Proteintech-CN@ptglab.com

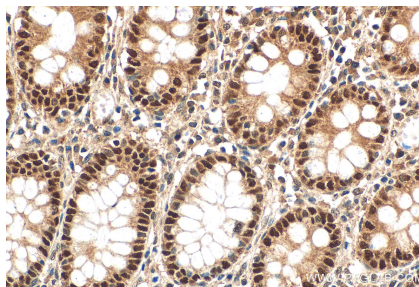
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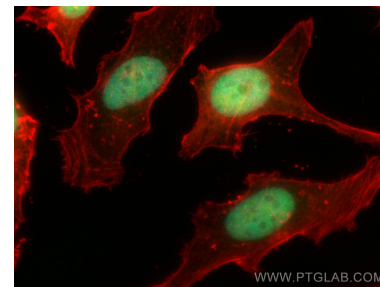
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29765-1-AP (POLD2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 29765-1-AP (POLD2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using POLD2 antibody (29765-1-AP) at dilution of 1:1000 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).