POLD2 Polyclonal antibody

Catalog Number:29765-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
29765-1-AP

Size:
400 μg/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:
51 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:5000
IHC 1:200-1:800
IF 1:500-1:2000

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
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:

WB : HEK-293T cells, HeLa cells, Jurkat cells, SGC-7901 cells, U-251 cells

IHC : human colon tissue, human lung cancer tissue

IF : 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℃. 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

Selected Validation Data
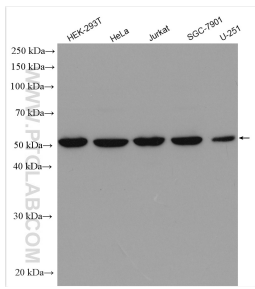
Various lysates were subjected to SDS PAGE followed by western blot with 29765-1-AP (POLD2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.
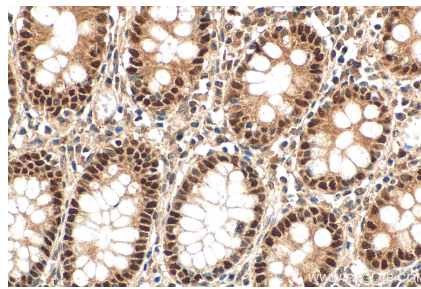
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 29765-1-AP (POLD2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
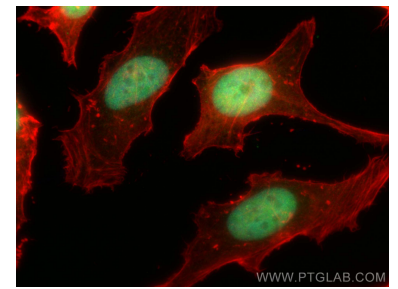
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using POLD2 antibody (29765-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).