

For Research Use Only

EP400 Polyclonal antibody

Catalog Number: 13858-1-AP



Basic Information

Catalog Number:

13858-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4832

GenBank Accession Number:

BC037208

GeneID (NCBI):

57634

UNIPROT ID:

Q96L91

Full Name:

E1A binding protein p400

Calculated MW:

3160 aa, 344 kDa

Observed MW:

344 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

IHC, IF/ICC, IP, 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:

IP: HEK-293 cells,

IHC: human colon tissue,

IF/ICC: HeLa cells, U2OS cells

Background Information

E1A binding protein p400 (EP400) is a SWR1-class ATP-dependent chromatin remodeling protein originally identified as an interacting partner for the adenovirus E1A protein required for viral replication and cellular transformation. EP400 plays a crucial role in promoting double-strand break (DSB) repair through homologous recombination (PMID: 26669263, 37922899). Depletion of Ep400 in oocytes led to accumulated DSBs, causing abnormal aggregation and dysfunction of cytoplasmic organelles, resulting in impaired oocyte development and declined oocyte quality (PMID: 38493496).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

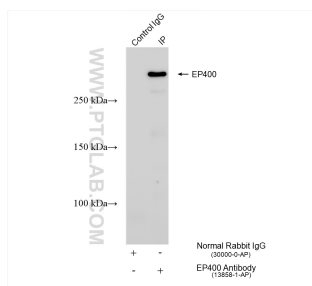
T: 4006900926

E: Proteintech-CN@ptglab.com

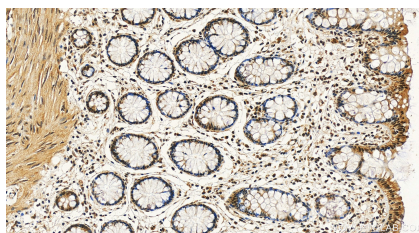
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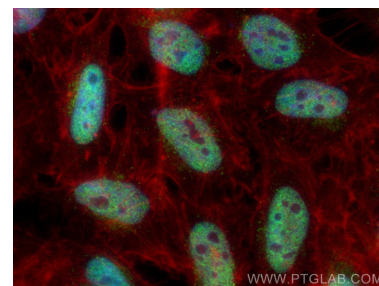
Selected Validation Data



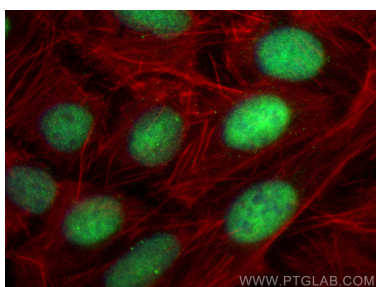
IP result of anti-EP400 (IP:13858-1-AP, 4ug; Detection:13858-1-AP 1:500) with HEK-293 cells lysate 1440 ug.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13858-1-AP (EP400 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EP400 antibody (13858-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using EP400 antibody (13858-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).