

For Research Use Only

EP400 Polyclonal antibody, PBS Only

Catalog Number: 13858-1-PBS



Basic Information

Catalog Number: 13858-1-PBS	GenBank Accession Number: BC037208	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 57634	
Source: Rabbit	UNIPROT ID: Q96L91	
Isotype: IgG	Full Name: E1A binding protein p400	
Immunogen Catalog Number: AG4832	Calculated MW: 3160 aa, 344 kDa	
	Observed MW: 344 kDa	

Applications

Tested Applications:
IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS only, pH7.3

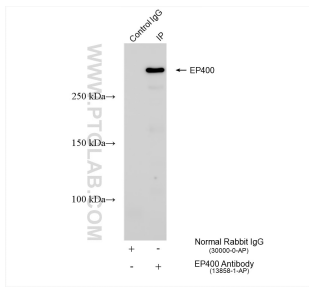
For technical support and original validation data for this product please contact:

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

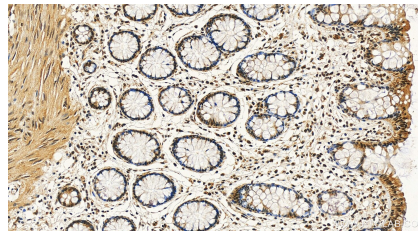
E: proteintech@ptglab.com
W: ptglab.com

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

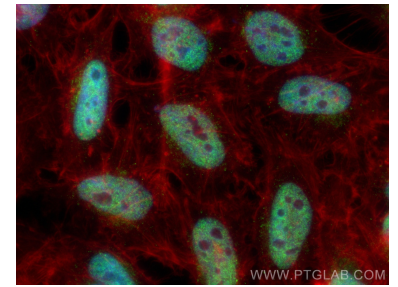
Selected Validation Data



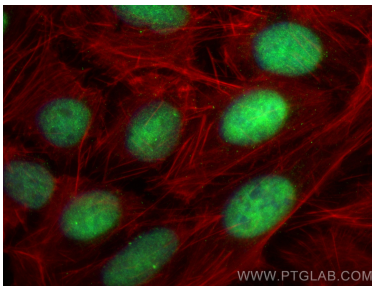
IP result of anti-EP400 (IP:13858-1-AP, 4ug; Detection:13858-1-AP 1:500) with HEK-293 cells lysate 1440 ug. This data was developed using the same antibody clone with 13858-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13858-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13858-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13858-1-PBS in a different storage buffer formulation.