

For Research Use Only

RECQL4 Polyclonal antibody

Catalog Number: 17008-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 17008-1-AP	GenBank Accession Number: BC013277	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 9401	Recommended Dilutions: WB 1:1000-1:5000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: RecQ protein-like 4	
Isotype: IgG	Calculated MW: 1208 aa, 133 kDa	
Immunogen Catalog Number: AG10707	Observed MW: 145-150 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells IP : HeLa cells, IHC : human gliomas tissue, human kidney tissue IF : HeLa cells,
Cited Applications: IF, IHC, IP, WB	
Species Specificity: human	
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

Background Information

RECQ protein-like 4 (RECQL4), which has helicase domains contain 7 consensus motifs in the middle, is a gene responsible for Werner syndrome and Bloom syndrome. It forms a stable complex with UBR1 and UBR2, which has a DNA-stimulated ATPase activity. RECQL4 may involve in repairment of DNA damage by interaction with APE1 and FEN1, key participants in base excision repair. This is a rabbit polyclonal antibody raised against part of C-terminal of RECQL4 of human origin. The calculated molecular weight of RECQL4 is 133 kDa, but the modified RECQL4 protein is about 145-150 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiewei Wang	34822842	J Biol Chem	WB
Sebastian Veith	31296950	Sci Rep	IF
Guosheng Lyu	33628589	Cancer Biol Med	IHC

Storage

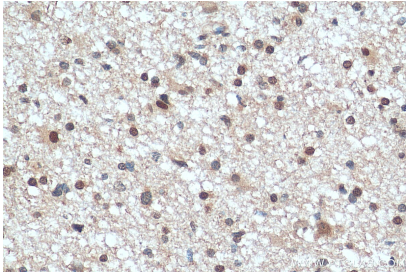
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

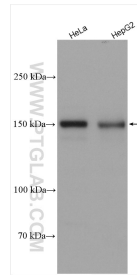
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

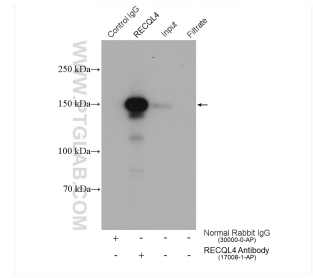
Selected Validation Data



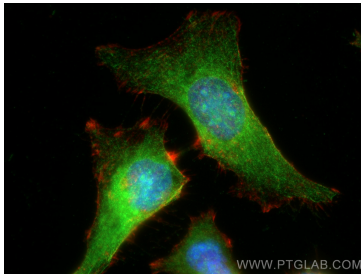
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 17008-1-AP (RECQL4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 17008-1-AP (RECQL4 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP result of anti-RECQL4 (IP:17008-1-AP, 4ug; Detection:17008-1-AP 1:1000) with HeLa cells lysate 1880 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using RECQL4 antibody (17008-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).