

For Research Use Only

# RUVBL2 Polyclonal antibody

Catalog Number:10195-1-AP

Featured Product

23 Publications



## Basic Information

**Catalog Number:**

10195-1-AP

**Concentration:**

500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0253

**GenBank Accession Number:**

BC000428

**GeneID (NCBI):**

10856

**UNIPROT ID:**

Q9Y230

**Full Name:**

RuvB-like 2 (E. coli)

**Calculated MW:**

51 kDa

**Observed MW:**

51 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

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

IHC 1:250-1:1000

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**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 : C2C12 cells, Daudi cells, HeLa cells, HepG2 cells

IP : HeLa cells, mouse brain tissue

IHC : rat bladder tissue, human gliomas tissue, human placenta tissue, mouse bladder tissue

IF/ICC : HepG2 cells,

## Background Information

RuvB-like 2 (E. coli) (RUVBL2, synonyms: ECP51, TIP48, CGI-46, TIP49B) is the second human homologue of the bacterial RuvB gene. Bacterial RuvB protein is a DNA helicase essential for homologous recombination and DNA double-strand break repair. Functional analysis showed that RUVBL2 has both ATPase and DNA helicase activities.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tao Yan	31572066	Cancer Cell Int	IHC
Franklin C Harwood	30258985	Sci Adv	WB
Jonathan Bizarro	25404746	J Cell Biol	WB

## 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:

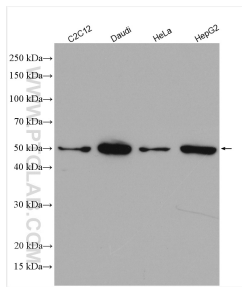
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

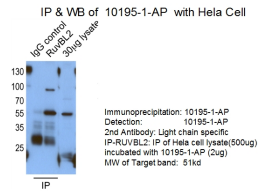
W: [ptgcn.com](http://ptgcn.com)

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

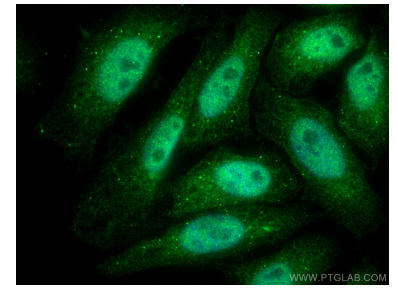
## Selected Validation Data



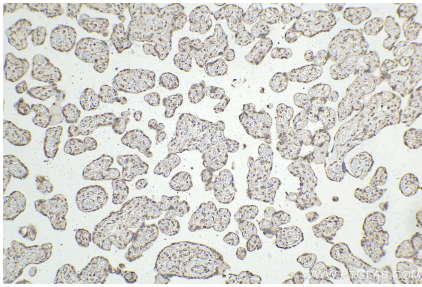
Various lysates were subjected to SDS PAGE followed by western blot with 10195-1-AP (RUVBL2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



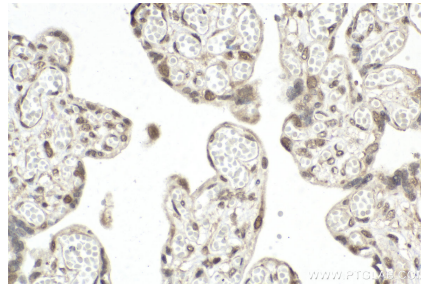
IP result of anti-RUVBL2 (10195-1-AP for IP and Detection).



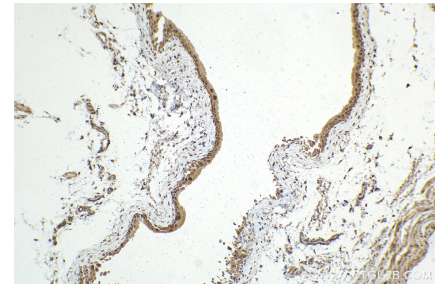
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RUVBL2 antibody (10195-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



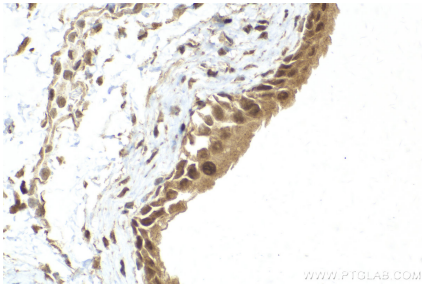
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



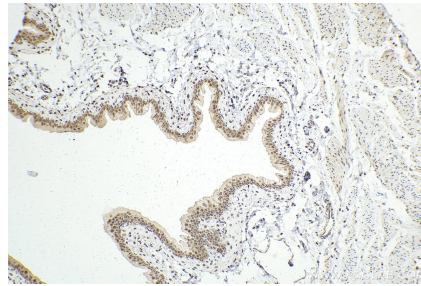
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



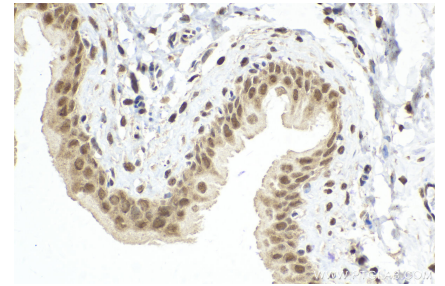
Immunohistochemical analysis of paraffin-embedded mouse bladder tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



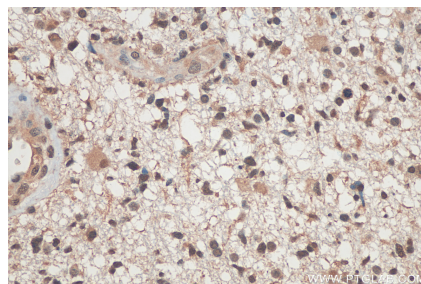
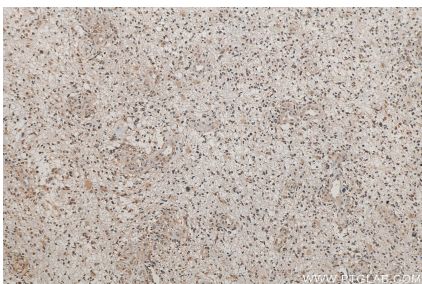
Immunohistochemical analysis of paraffin-embedded mouse bladder tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat bladder tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat bladder tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10195-1-AP (RUVBL2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).