

For Research Use Only

REV1 Polyclonal antibody

Catalog Number: 17703-1-AP

1 Publications



Basic Information

Catalog Number:

17703-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11975

GenBank Accession Number:

BC037734

GeneID (NCBI):

51455

UNIPROT ID:

Q9UBZ9

Full Name:

REV1 homolog (S. cerevisiae)

Calculated MW:

1114 aa, 122 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HeLa cells,

IF/ICC : U2OS cells,

Background Information

Rev1 is a member of the TLS polymerase family and plays a key role in this mutagenic pathway, which allows the bypass of modified DNA bases and respectively, facilitates proliferation even in the presence of extensive DNA damage, such as during chemotherapy. Mutations in human REV1 have been detected in a minority of tumors, and single-nucleotide polymorphisms (SNPs) in the hREV1 gene have been linked to various types of human cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Jayakumar R Nair	39628575	iScience	WB

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

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

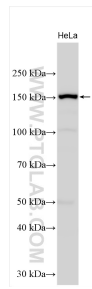
T: 4006900926

E: Proteintech-CN@ptglab.com

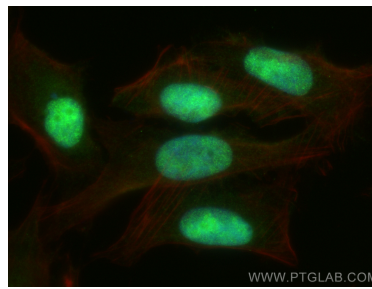
W: ptgcn.com

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 17703-1-AP (REV1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using REV1 antibody (17703-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).