For Research Use Only

PARP2 Polyclonal antibody

Catalog Number:55149-1-AP 9 Publications

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Basic Information

Catalog Number:
55149-1-AP

Concentration:
600 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_005484

GeneID (NCBI):
10038

UNIPROT ID:
Q9UGN5

Full Name:
poly (ADP-ribose) polymerase 2

Calculated MW:
66 kDa

Observed MW:
66 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:3000
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human

Cited Species:
human, mouse, rat

Positive Controls:

WB : HeLa cells, U2OS cells, SH-SY5Y cells

IF/ICC : U2OS cells,

Background Information

PARP2, also named as ADPRT2 and ADPRTL2, is involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. This antibody is specific to PARP2 (N-terminal).

Notable Publications

Author	Pubmed ID	Journal	Application
Xueying Wang	34103682	Oncogene	WB
Chunlan Pu	35430559	Eur J Med Chem	WB
Nicholas C K Valerie	39643609	Nat Commun	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:
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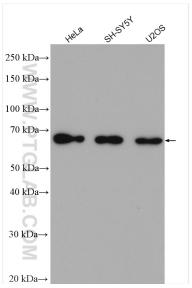
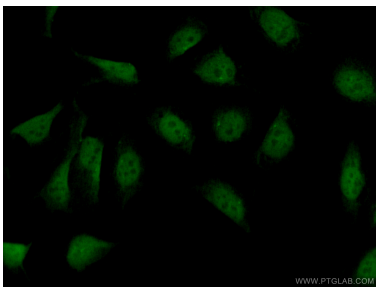
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55149-1-AP (PARP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using 55149-1-AP (PARP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).