

# Anti-PARP2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

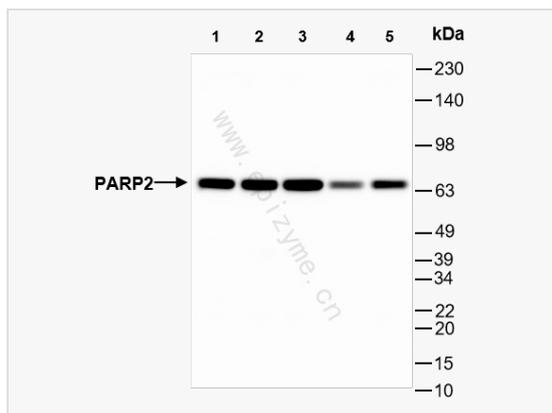
Catalog # R014722

## Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	25E82L86
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PARP2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PARP2 Rabbit mAb [25E82L86] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	ADP ribosyltransferase like 2, ADP-ribosyltransferase diphtheria toxin-like 2, ADPRT 2, ADPRT-2, ADPRT2, ADPRTL 2, ADPRTL 3, ADPRTL2, ADPRTL3, ARTD2, hPARP 2, hPARP-2, hPARP2, NAD(+) ADP ribosyltransferase 2, NAD(+) ADP-ribosyltransferase 2, pADPRT 2, pADPRT-2, pADPRT2, PARP 2, PARP-2, PARP2, PARP2_HUMAN, Poly (ADP ribose) polymerase family member 2, Poly (ADP ribosyl) transferase like 2, poly (ADP-ribose) polymerase 2, Poly [ADP ribose] synthetase 2, Poly [ADP-ribose] polymerase 2, Poly(ADP ribose) synthetase, Poly[ADP-ribose] synthase 2.
Calculated MW	Calculated MW: 66 kDa; Observed MW: 66 kDa
Uniprot ID	Q9UGN5
Gene ID	10038
Background	This gene encodes poly(ADP-ribose)transferase-like 2 protein, which contains a catalytic domain and is capable of catalyzing a poly(ADP-ribose)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribose) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribose) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct isoforms have been found. [provided by RefSeq, Jul 2008].
Cellular Location	Nucleus.
Tissue Location	Widely expressed, mainly in actively dividing tissues. The highest levels are in the brain, heart, pancreas, skeletal muscle and testis; also detected in kidney, liver, lung, placenta, ovary and spleen; levels are low in leukocytes, colon, small intestine,



Western Blot - Anti-PARP2 Rabbit mAb [25E82L86]

All lanes: R014722 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

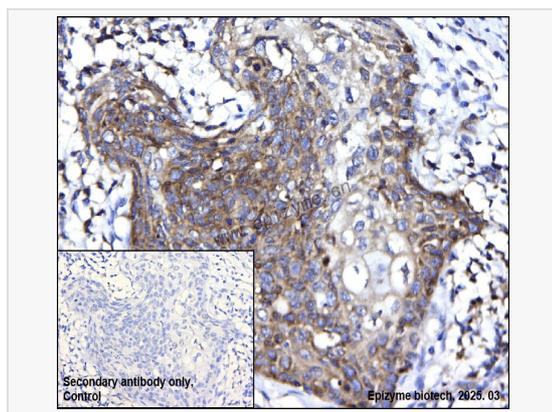
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 66 kDa

Observed band size: 66 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-PARP2 Rabbit mAb [25E82L86]

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014722 at 1:200 dilution

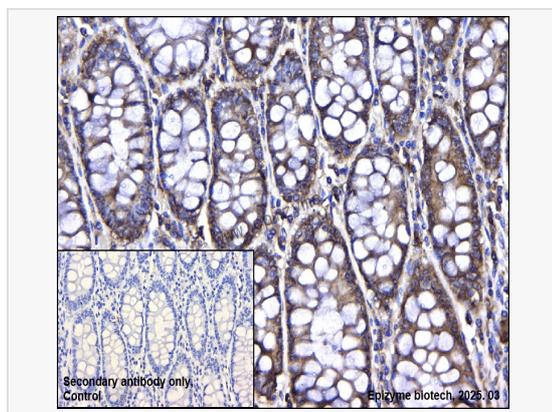
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-PARP2 Rabbit mAb [25E82L86]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014722 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.