

Anti-POLDIP2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

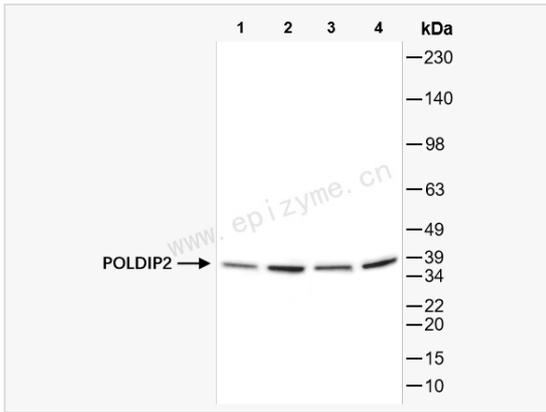
Catalog # R010241

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	40M32K51
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human POLDIP2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% 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-POLDIP2 Rabbit mAb [40M32K51] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	PDIP38; POLD4; HSPC017; POLDIP2; Polymerase delta-interacting protein 2; 38 kDa DNA polymerase delta interaction protein; p38.
Calculated MW	Calculated MW: 42 kDa; Observed MW: 38 kDa
Uniprot ID	Q9Y2S7
Gene ID	26073
Background	This gene encodes a protein that interacts with the DNA polymerase delta p50 subunit, as well as with proliferating cell nuclear antigen. The encoded protein maybe play a role in the ability of the replication fork to bypass DNA lesions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Cellular Location	Mitochondrion matrix.Nucleus.Mainly localizes to the mitochondrial matrix; a small fraction localizes in the nucleus.



Western Blot - Anti-POLDIP2 Rabbit mAb [40M32K51]

All lanes: R010241 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: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 4: Rat liver whole tissue lysates

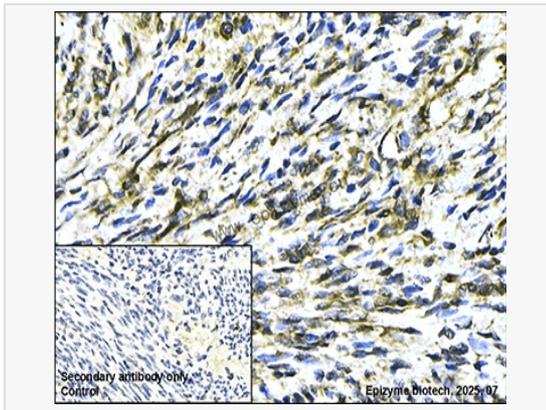
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 42 kDa

Observed band size: 38 kDa

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



Immunohistochemistry - Anti-POLDIP2 Rabbit mAb [40M32K51]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

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

Primary antibody: R010241 at 1:200 dilution

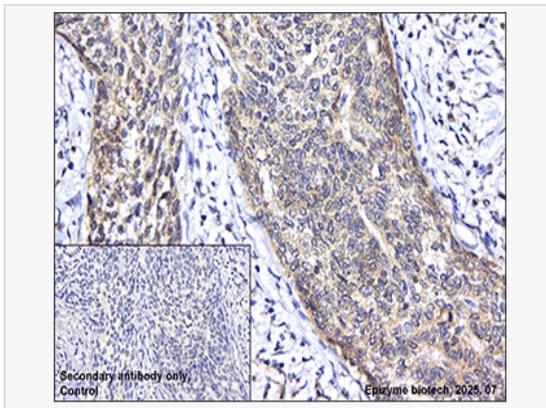
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-POLDIP2 Rabbit mAb [40M32K51]

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: R010241 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.