

## ARG45437 anti-POLDIP2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes POLDIP2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	POLDIP2
Species	Human
Immunogen	Recombinant protein containing to human POLDIP2.
Conjugation	Un-conjugated
Alternate Names	POLDIP2; DNA Polymerase Delta Interacting Protein 2; PDIP38; Polymerase (DNA-Directed), Delta Interacting Protein 2; 38 KDa DNA Polymerase Delta Interaction Protein; Polymerase Delta-Interacting Protein 2; DKFZP586F1524; POLD4; P38; Polymerase (DNA) Delta Interacting Protein 2; Polymerase Delta Interacting Protein 38

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IP	0.5-2 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	36 kDa	

### Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

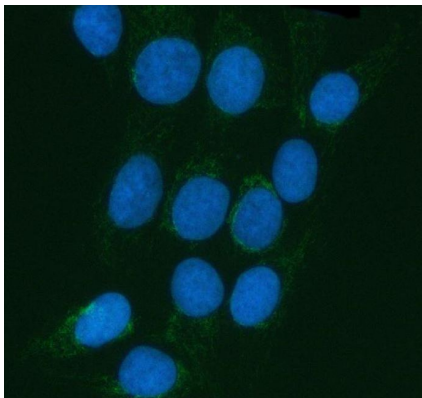
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

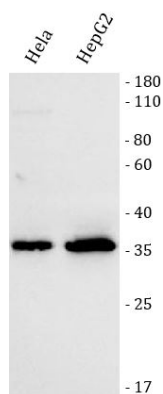
Gene Symbol	POLDIP2
Gene Full Name	DNA Polymerase Delta Interacting Protein 2
Background	This gene encodes a protein that interacts with the DNA polymerase delta p50 subunit, as well as with proliferating cell nuclear antigen. The encoded protein maybe play a role in the ability of the replication fork to bypass DNA lesions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Function	Involved in DNA damage tolerance by regulating translesion synthesis (TLS) of templates carrying DNA damage lesions such as 8oxoG and abasic sites. [UniProt]
Calculated Mw	42 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Mitochondrion; Nucleus. [UniProt]

## Images



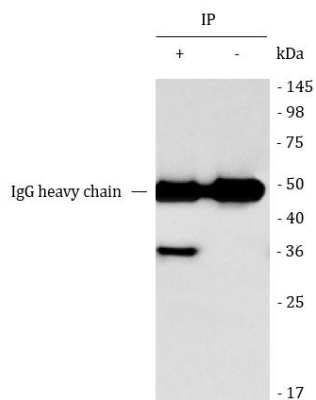
ARG45437 anti-POLDIP2 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45437 anti-POLDIP2 antibody at 5 µg/ml dilution.



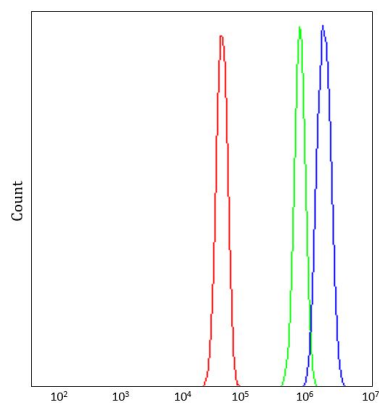
ARG45437 anti-POLDIP2 antibody FACS image

Flow Cytometry: HeLa and HepG2 stained with ARG45437 anti-POLDIP2 antibody at 0.5 µg/ml dilution.



#### ARG45437 anti-POLDIP2 antibody IP image

Immunoprecipitation: HepG2 lysate immunoprecipitated with 2  $\mu$ g ARG45437 anti-POLDIP2 antibody.



#### ARG45437 anti-POLDIP2 antibody FACS image

Flow Cytometry: U251 stained with ARG45437 anti-POLDIP2 antibody at 1  $\mu$ g/ $10^6$  cells dilution.