

For Research Use Only

# POLDIP2 Recombinant antibody

Catalog Number: 86232-3-RR



## Basic Information

Catalog Number:	86232-3-RR	GenBank Accession Number:	BC000655	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenelD (NCBI):	26073	CloneNo.:	250999B11
Source:	Rabbit	UNIPROT ID:	Q9Y2S7	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Isotype:	IgG	Full Name:	polymerase (DNA-directed), delta interacting protein 2		
Immunogen Catalog Number:	AG7154	Calculated MW:	42 kDa		
		Observed MW:	37 kDa		

## Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	WB: HeLa cells, mouse testis tissue, HepG2 cells, Jurkat cells, K-562 cells
Species Specificity:	human, mouse	IF/ICC :	HeLa cells,

## Background Information

POLDIP2(Polymerase delta-interacting protein 2) is also named as PDIP38, POLD4. It is a unique positive regulator of Nox4 via its association with p22phox and together with Nox4, has profound effects on Rhodependent cytoskeletal remodeling. It is also a regulator of cell division. It consists of 368 amino acids and has a predicted molecular mass of 42 kDa, with a potential signal peptide cleavage site after the first N-terminal 48 residues, which would result in a protein of 37 kDa(PMID:19574552). Endogenous human and rat POLDIP2 localized to the nucleus, plasma membrane, and cytoplasm(PMID:17623671).

## Storage

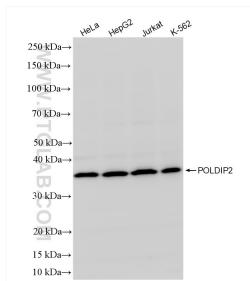
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

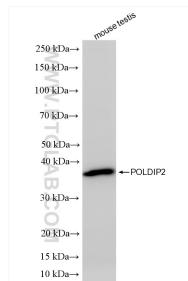
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86232-3-RR (POLDIP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



mouse testis tissue were subjected to SDS PAGE followed by western blot with 86232-3-RR (POLDIP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using POLDIP2 antibody (86232-3-RR, Clone: 250999B11) at dilution of 1:500 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).