

For Research Use Only

# POLDIP2 Recombinant antibody

Catalog Number: 86232-3-RR



## Basic Information

<b>Catalog Number:</b> 86232-3-RR	<b>GenBank Accession Number:</b> BC000655	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 26073	<b>CloneNo.:</b> 250999B11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y257	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> polymerase (DNA-directed), delta interacting protein 2	
<b>Immunogen Catalog Number:</b> AG7154	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 37 kDa	

## Applications

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

## Background Information

POLDIP2(Polymerase delta-interacting protein 2) is also named as PDIP38, POLD4. It is as a unique positive regulator of Nox4 via its association with p22phox and together with Nox4, has profound effects on Rhoddependent cytoskeletal remodeling. It is also as 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**

For technical support and original validation data for this product please contact:

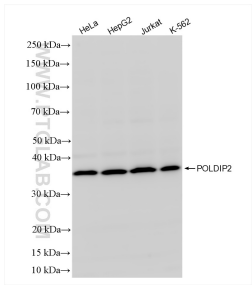
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

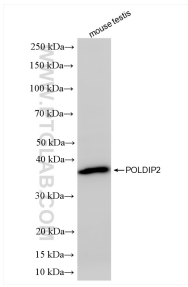
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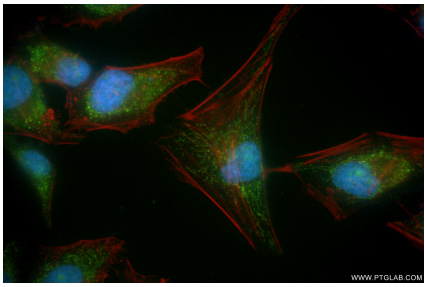
## Selected Validation Data



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).