

For Research Use Only

# WDR74 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86361-2-PBS



## Basic Information

<b>Catalog Number:</b> 86361-2-PBS	<b>GenBank Accession Number:</b> BC006351	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54663	<b>CloneNo.:</b> 251046A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6RFH5	
<b>Isotype:</b> IgG	<b>Full Name:</b> WD repeat domain 74	
<b>Immunogen Catalog Number:</b> AG14617	<b>Calculated MW:</b> 385 aa, 42 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

WDR74, also known as WD repeat domain 74, is a protein-coding gene that plays important roles in various biological processes. WDR74 is involved in rRNA processing and ribosomal large subunit biogenesis. It is a 60S ribosome assembly factor, which is irreplaceable in ribosome biogenesis and is closely related to protein synthesis. WDR74 can induce nuclear  $\beta$ -catenin accumulation and activate Wnt-responsive genes, thus promoting cell proliferation and metastasis in various cancers.

## Storage

**Storage:**  
Store at  $-80^{\circ}\text{C}$ .

**Storage Buffer:**  
PBS only, pH7.3

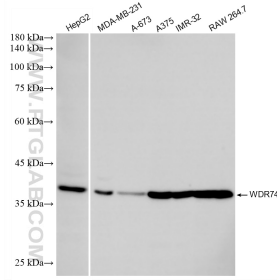
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

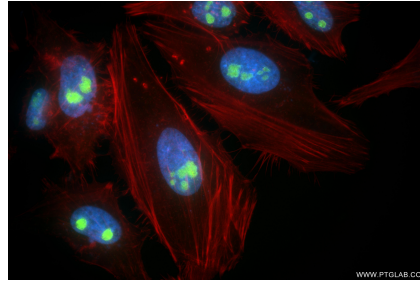
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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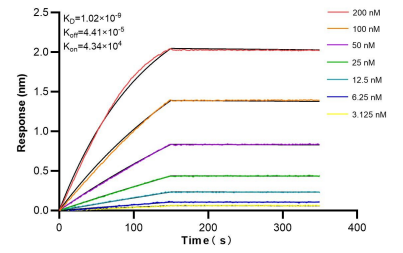
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86361-2-RR (WDR74 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86361-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using WDR74 antibody (86361-2-RR, Clone: 251046A3) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86361-2-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 86361-2-RR against Human WDR74 were performed. The affinity constant is 1.02 nM.