

For Research Use Only

# WDR74 Recombinant monoclonal antibody

Catalog Number: 86361-2-RR



## Basic Information

<b>Catalog Number:</b> 86361-2-RR	<b>GenBank Accession Number:</b> BC006351	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54663	<b>CloneNo.:</b> 251046A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6RFH5	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000 IF/ICC: 1:500-1:2000
<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

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> HepG2 cells, MDA-MB-231 cells, A-673 cells, A375 cells, IMR-32 cells, RAW264.7 cells
	<b>IF/ICC :</b> HeLa cells,

## 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 -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

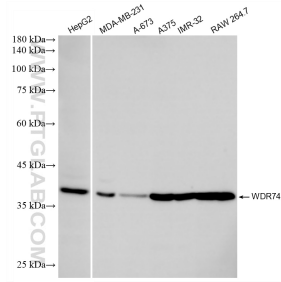
For technical support and original validation data for this product please contact:

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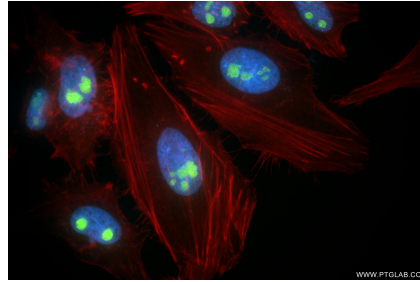
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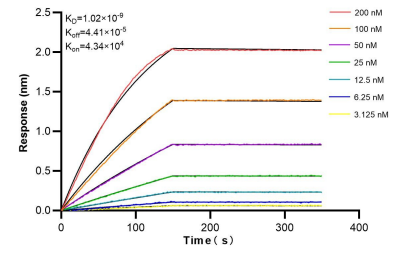
## Selected Validation Data



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.



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).



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