

For Research Use Only

# ARP2 Polyclonal antibody

Catalog Number: 10922-1-AP

Featured Product

12 Publications



## Basic Information

<b>Catalog Number:</b> 10922-1-AP	<b>GenBank Accession Number:</b> BC014546	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10097	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:200-1:800 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> ARP2 actin-related protein 2 homolog (yeast)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 45 kDa	
<b>Immunogen Catalog Number:</b> AG1359	<b>Observed MW:</b> 43-45 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> HeLa cells, mouse kidney tissue, Jurkat cells, MCF-7 cells, SH-SY5Y cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human prostate cancer tissue,
<b>Cited Species:</b> human, rat, mouse, pig	<b>IF :</b> HEK-293 cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Xuejing Jin	36126383	Placenta	WB
Madeline G Andrews	32876565	Elife	IF
Xiaomei He	34614161	Nucleic Acids Res	WB

## Storage

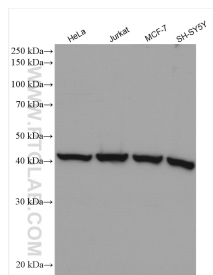
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

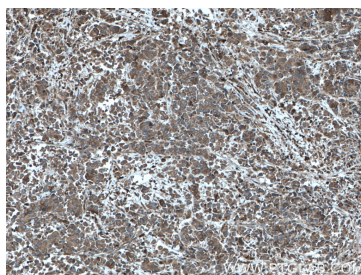
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

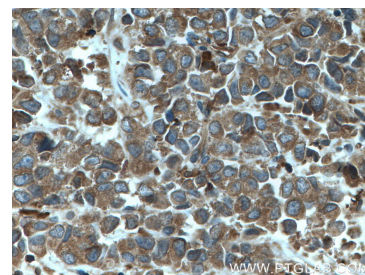
## Selected Validation Data



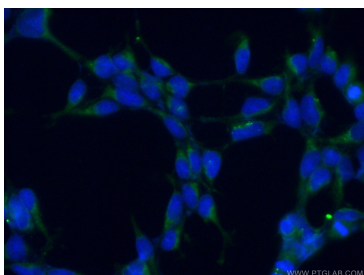
Various lysates were subjected to SDS PAGE followed by western blot with 10922-1-AP (ARP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



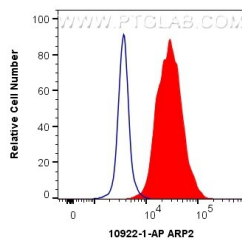
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10922-1-AP (ARP2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10922-1-AP (ARP2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 10922-1-AP (ARP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human ARP2 (10922-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).