

For Research Use Only

# ACTR1B Polyclonal antibody

Catalog Number: 11023-1-AP



## Basic Information

<b>Catalog Number:</b> 11023-1-AP	<b>GenBank Accession Number:</b> BC010090	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 167 µg/ml	<b>GeneID (NCBI):</b> 10120	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:300 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P42025	
<b>Isotype:</b> IgG	<b>Full Name:</b> ARP1 actin-related protein 1 homolog B, cencentractin beta (yeast)	
<b>Immunogen Catalog Number:</b> AG1467	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 42-50 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB:</b> mouse brain tissue, mouse heart
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	<b>IHC:</b> human breast cancer tissue,
	<b>IF:</b> MCF-7 cells,

## Background Information

ACTR1B (also known as beta cencentractin) is a part of the 20S dynactin complex. It colocalizes with centrosomes and vesicular (membranous) structures and is involved in cell division. ACTR1B and ACTR1A share 90% amino acid identity, and this antibody recognizes both ACTR1B and ACTR1A.

## 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

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

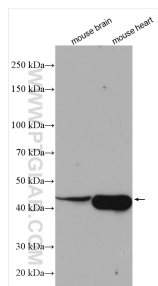
T: 4006900926

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

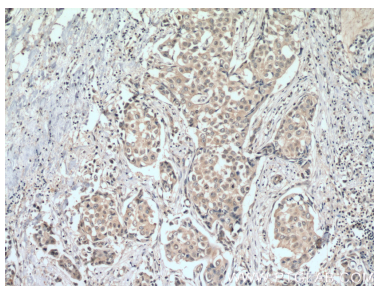
W: [ptgcn.com](http://ptgcn.com)

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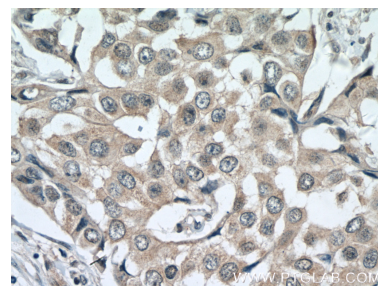
## Selected Validation Data



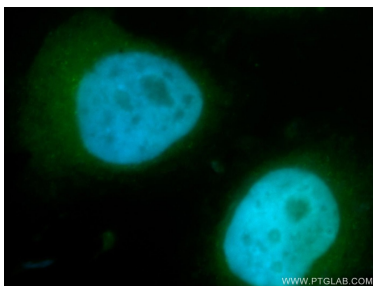
Various lysates were subjected to SDS PAGE followed by western blot with 11023-1-AP (ACTR1B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11023-1-AP (ACTR1B antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11023-1-AP (ACTR1B antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of MCF-7 cells, using ACTR1B antibody 11023-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).