

For Research Use Only

# APPBP2 Polyclonal antibody

Catalog Number: 12409-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 12409-1-AP	<b>GenBank Accession Number:</b> BC018121	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10513	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92624	
<b>Isotype:</b> IgG	<b>Full Name:</b> amyloid beta precursor protein (cytoplasmic tail) binding protein 2	
<b>Immunogen Catalog Number:</b> AG3092	<b>Calculated MW:</b> 585 aa, 67 kDa	
	<b>Observed MW:</b> 67 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> A2780 cells, HeLa cells, Jurkat cells
<b>Species Specificity:</b> human	<b>IHC :</b> human breast cancer tissue,
<b>Cited Species:</b> mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Amyloid proteinbinding protein 2 (APPBP2) is a hydrophilic tubulin that interacts with microtubules and is functionally involved in beta-amyloid precursor protein (APP) transport and/or processing. Based on the regulation of microtubules and APP, APPBP2 is found to be involved in the oncogenesis of various types of cancers, such as breast cancer, ovarian clear cell adenocarcinomas, desmoplastic medulloblastomas and neuroblastomas. Recently, Studies have demonstrated that APPBP2 is a potential target for diagnosis and therapeutic intervention in non-small cell lung cancer (NSCLC) (PMID: 31105033).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi Zhong	37216643	Diabetes	WB

## Storage

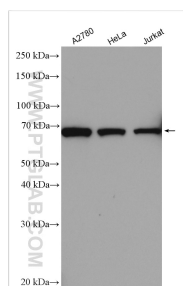
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

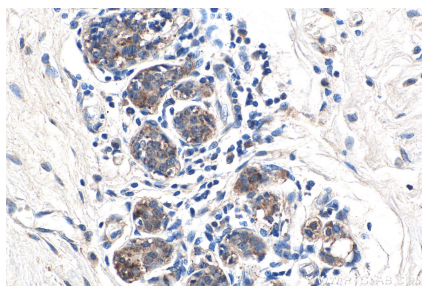
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 12409-1-AP (APPBP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12409-1-AP (APPBP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Chromogenic substrates are DAB/H2O2 and CuSO4.