

For Research Use Only

# DYNAP Polyclonal antibody

Catalog Number:32123-1-AP



## Basic Information

<b>Catalog Number:</b> 32123-1-AP	<b>GenBank Accession Number:</b> NM_001307955	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 370 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 284254	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N1N2	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 18 open reading frame 26	
<b>Immunogen Catalog Number:</b> AG37125	<b>Calculated MW:</b> 22 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : U2OS cells,
<b>Species Specificity:</b> human	

## Background Information

The dynactin-associated protein (DYNAP), also known as C18orf26, is a transmembrane protein that localises to the Golgi apparatus and the plasma membrane in a microtubule-dependent manner. This protein is expressed in half of all human cancer cell lines. DYNAP expression activates Akt (also known as protein kinase B) by promoting Ser473 phosphorylation, which is required for full activation (PMID: 20978158). In SDS-PAGE, DYNAP migrates anomalously at ~45 kDa, which is much larger than the expected 22.5 kDa based on its amino acid composition. The T/S cluster region is responsible for this (PMID: 35022995).

## Storage

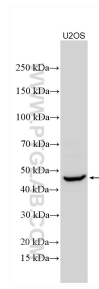
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

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

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## Selected Validation Data



U2OS cells lysate was subjected to SDS PAGE followed by western blot with 32123-1-AP (DYNAP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.