

For Research Use Only

DYNAP Polyclonal antibody, PBS Only

Catalog Number:32123-1-PBS



Basic Information

Catalog Number: 32123-1-PBS	GenBank Accession Number: NM_001307955	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 284254	
Source: Rabbit	UNIPROT ID: Q8N1N2	
Isotype: IgG	Full Name: chromosome 18 open reading frame 26	
Immunogen Catalog Number: AG37125	Calculated MW: 22 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
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 -80°C.

Storage Buffer:
PBS only, pH7.3

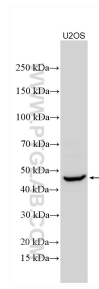
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 32123-1-PBS in a different storage buffer formulation.