

For Research Use Only

DYNAP Polyclonal antibody

Catalog Number: 32123-1-AP



Basic Information

Catalog Number: 32123-1-AP	GenBank Accession Number: NM_001307955	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 284254	Recommended Dilutions: WB: 1:1000-1:6000
Isotype: IgG	UNIPROT ID: Q8N1N2	
Immunogen Catalog Number: AG37125	Full Name: chromosome 18 open reading frame 26	
	Calculated MW: 22 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells,
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 -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

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

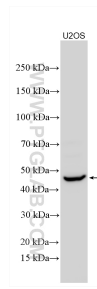
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Selected Validation Data



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.