

For Research Use Only

# DSN1 Polyclonal antibody

Catalog Number: 17742-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 17742-1-AP	<b>GenBank Accession Number:</b> BC026011	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 300 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 79980	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H410	
<b>Isotype:</b> IgG	<b>Full Name:</b> DSN1, MIND kinetochore complex component, homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG11988	<b>Calculated MW:</b> 340 aa, 38 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

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

**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

DSN1, also named as C20orf172 and MIS13, is required to shape an interface between the Mis12 complex and Blinkin, the counterpart of Spc105. DSN1 is part of the MIS12 complex which is required for normal chromosome alignment and segregation and kinetochore formation during mitosis. DSN1 has four isoforms with MW 27-33 kDa and 38-40 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huakai Wang	33054826	J Exp Clin Cancer Res	WB
Haining Zhou	26743940	Nat Commun	IF

## Storage

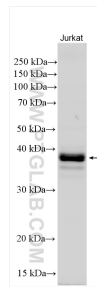
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

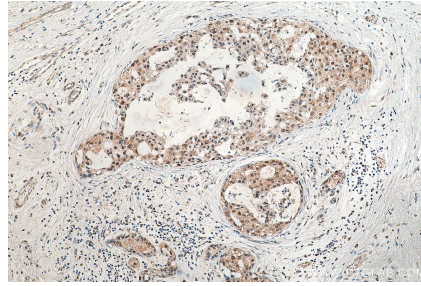
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

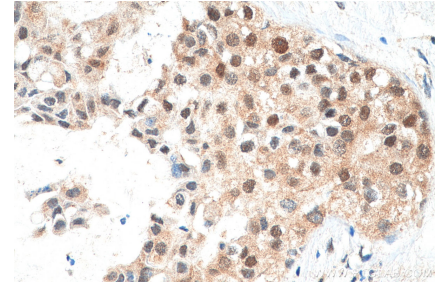
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 17742-1-AP (DSN1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17742-1-AP (DSN1 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 17742-1-AP (DSN1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).