

For Research Use Only

# MIS12 Polyclonal antibody

Catalog Number: 19820-1-AP



## Basic Information

<b>Catalog Number:</b> 19820-1-AP	<b>GenBank Accession Number:</b> BC000229	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79003	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H081	
<b>Isotype:</b> IgG	<b>Full Name:</b> MIS12, MIND kinetochore complex component, homolog (yeast)	
<b>Immunogen Catalog Number:</b> AG13870	<b>Calculated MW:</b> 205 aa, 24 kDa	
	<b>Observed MW:</b> 25-28 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells, HepG2 cells
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

The MIS12 complex, composed of the Mis12, Pmf1, Nsl1 and Dsn1 subunits, is a highly conserved kinetochore protein that interacts with the Ndc80 and Knl1 complexes, forming the KMN network (PMID: 32341029). MIS12 is a part of the MIS12 complex which is required for normal chromosome alignment and segregation and for kinetochore formation during mitosis. MIS12 is essential for proper kinetochore microtubule attachments (PubMed:23891108)

## Storage

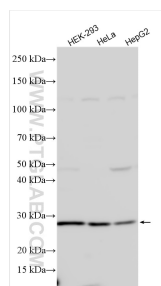
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19820-1-AP (MIS12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.