

**MIS12 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58726****Specification****MIS12 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">Q9H081</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MIS12
Epitope Specificity	11-120/205
Isotype	IgG
<b>Purity</b>	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Chromosome, centromere, kinetochore. Note=Associated with the kinetochore.
SIMILARITY	Belongs to the mis12 family.
SUBUNIT	Component of the MIS12 complex composed of MIS12, DSN1, NSL1 and PMF1. Also interacts with CASC5, CBX3, CBX5, NDC80 and ZWINT.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

MIS12 is part of a complex that plays an essential role in chromosome segregation in vertebrates and contributes to mitotic kinetochore assembly.

**MIS12 Polyclonal Antibody - Additional Information****Gene ID 79003****Other Names**

Protein MIS12 homolog, MIS12 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=24967" target="\_blank">HGNC:24967</a>)

**Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br /><span class ="dilution\_IHC-P">IHC-P~~N/A</span><br /><span class

= "dilution\_IHC-F" > IHC-F~~N/A</span><br /><span class="dilution\_E">E~~N/A</span>

#### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## MIS12 Polyclonal Antibody - Protein Information

Name MIS12 ([HGNC:24967](#))

#### Function

Part of the MIS12 complex which is required for normal chromosome alignment and segregation and for kinetochore formation during mitosis (PubMed:<a href="http://www.uniprot.org/citations/12515822" target="\_blank">12515822</a>, PubMed:<a href="http://www.uniprot.org/citations/15502821" target="\_blank">15502821</a>, PubMed:<a href="http://www.uniprot.org/citations/16585270" target="\_blank">16585270</a>). Essential for proper kinetochore microtubule attachments (PubMed:<a href="http://www.uniprot.org/citations/23891108" target="\_blank">23891108</a>).

#### Cellular Location

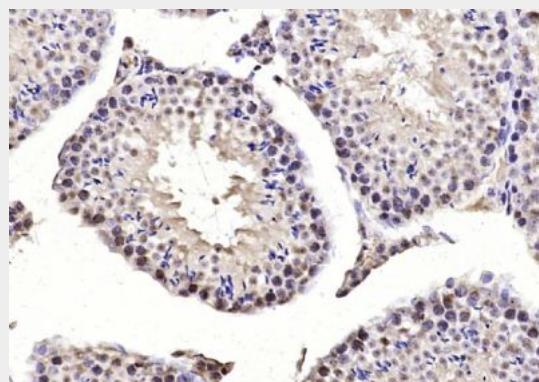
Chromosome, centromere, kinetochore Note=Associated with the kinetochore.

## MIS12 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## MIS12 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide

for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MIS12) Polyclonal Antibody, Unconjugated (bs-7713R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.