

For Research Use Only

# MEIKIN Polyclonal antibody

Catalog Number: 31759-1-AP



## Basic Information

<b>Catalog Number:</b> 31759-1-AP	<b>GenBank Accession Number:</b> NM_001303622	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 728637	<b>Recommended Dilutions:</b> IHC: 1:200-1:800 IF-P: 1:50-1:500 IF/ICC: 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> A0A087WXM9	
<b>Isotype:</b> IgG	<b>Full Name:</b> similar to mCG13783	
<b>Immunogen Catalog Number:</b> AG36937	<b>Calculated MW:</b> 373aa, 41 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

**Tested Applications:**  
IHC, IF/ICC, IF-P, ELISA

**Species Specificity:**  
human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

IHC : human placenta tissue,

IF-P : mouse testis tissue,

IF/ICC : MDCK cells,

## Background Information

Meikin is a conservative regulatory protein that plays a key role in meiosis. It was first discovered in mice. It is a meiotic-specific centromere protein and was named Meikin because of its important role in meiosis. Meikin's function is mainly realized by regulating the activity of Polo-like kinase PLK1. PLK1 is enriched to centromere under Meikin's dependence, which further affects the function of centromere.

## 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

\*\*\* 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)

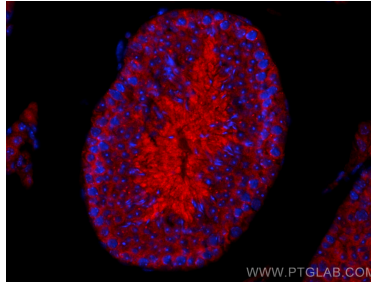
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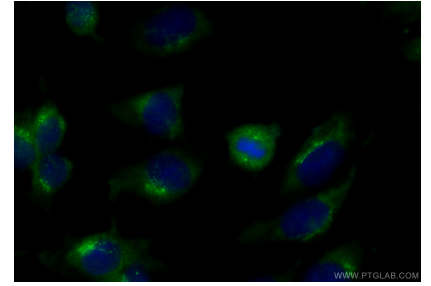
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 31759-1-AP (MEIKIN antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using MEIKIN antibody (31759-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MDCK cells using MEIKIN antibody (31759-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).