

For Research Use Only

# MELK Polyclonal antibody

Catalog Number: 11403-1-AP

5 Publications



## Basic Information

### Catalog Number:

11403-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1897

### GenBank Accession Number:

BC014039

### GeneID (NCBI):

9833

### UNIPROT ID:

Q14680

### Full Name:

maternal embryonic leucine zipper kinase

### Calculated MW:

651 aa, 75 kDa

### Observed MW:

50-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, CoIP

### Species Specificity:

human, mouse

### Cited Species:

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:

**WB:** Jurkat cells, HeLa cells, K-562 cells

**IHC:** human breast cancer tissue, mouse colon tissue, mouse kidney tissue, human lung cancer tissue, human colon cancer tissue

## Background Information

MELK is involved in various processes such as cell cycle regulation, self-renewal of stem cells, apoptosis and splicing regulation. It also plays a key role in cell proliferation and carcinogenesis, and it is required for proliferation of embryonic and postnatal multipotent neural progenitors.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiecheng Ye	35730614	Int J Oncol	WB,IHC,IF,CoIP
Shaohan Wu	29192136	Med Sci Monit	IHC
Pengfei Su	39135038	Cancer Cell Int	WB,IHC

## 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

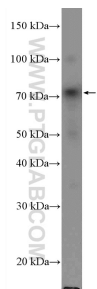
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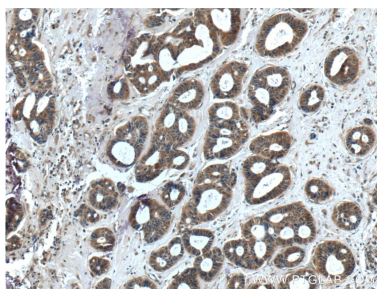
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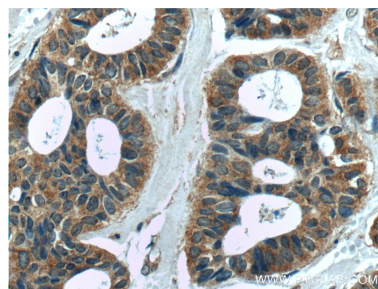
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 11403-1-AP (MELK Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11403-1-AP (MELK Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11403-1-AP (MELK Antibody) at dilution of 1:200 (under 40x lens).