

For Research Use Only

# MELK Polyclonal antibody

Catalog Number: 11403-1-AP **2 Publications**



## Basic Information

**Catalog Number:**

11403-1-AP

**Size:**

600 µg/ml

**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:**

IHC, WB, ELISA

**Cited Applications:**

WB, IF, IHC, 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

## 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

For technical support and original validation data for this product please contact:

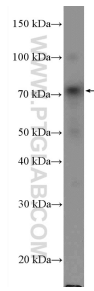
T: 4006900926

E: Proteintech-CN@ptglab.com

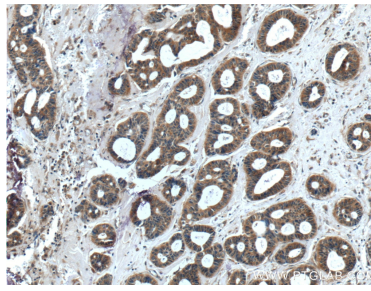
W: ptgcn.com

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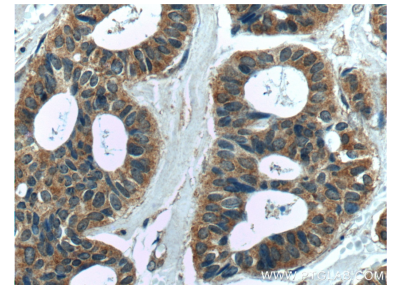
## Selected Validation Data



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).