

For Research Use Only

MELK Polyclonal antibody

Catalog Number: 11403-1-AP

5 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:

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

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

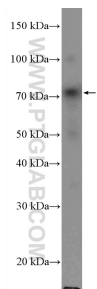
T: 4006900926

E: Proteintech-CN@ptglab.com

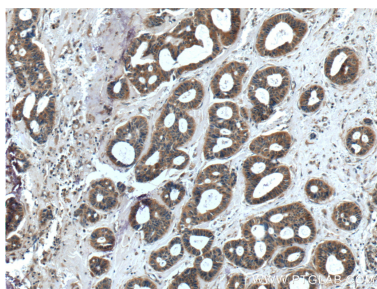
W: ptgcn.com

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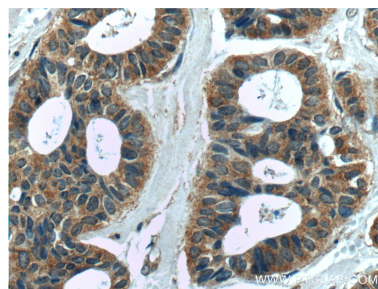
Selected Validation Data



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).