

For Research Use Only

# MELK Recombinant antibody

Catalog Number: 82893-2-RR



## Basic Information

Catalog Number:

82893-2-RR

Concentration:

1000 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:

Protein A purification

CloneNo.:

230106A4

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

Human, mouse

**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 : NCCIT cells, HepG2 cells, MCF-7 cells, MDA-MB-231 cells

IHC : mouse kidney 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.

## 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:

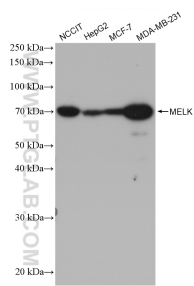
T: 4006900926

E: Proteintech-CN@ptglab.com

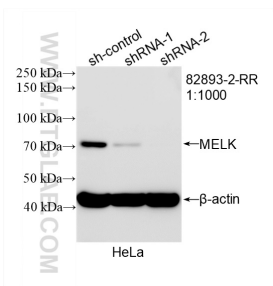
W: ptgcn.com

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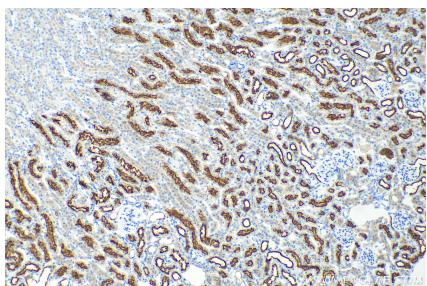
Selected Validation Data



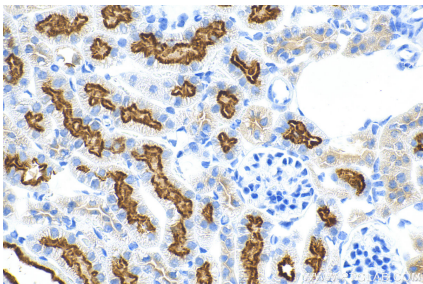
Various lysates were subjected to SDS PAGE followed by western blot with 82893-2-RR (MELK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



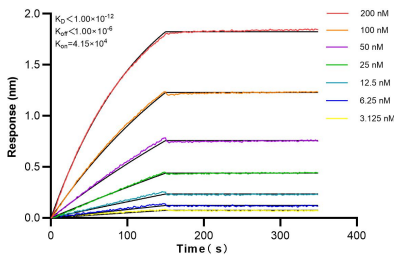
WB result of MELK antibody (82893-2-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MELK transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 82893-2-RR (MELK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 82893-2-RR (MELK antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82893-2-RR against Human MELK were performed. The affinity constant is below 1 pM.