

For Research Use Only

MELK Recombinant antibody

Catalog Number: 82893-2-RR



Basic Information

Catalog Number: 82893-2-RR	GenBank Accession Number: BC014039	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9833	CloneNo.: 230106A4
Source: Rabbit	UNIPROT ID: Q14680	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Isotype: IgG	Full Name: maternal embryonic leucine zipper kinase	
Immunogen Catalog Number: AG1897	Calculated MW: 651 aa, 75 kDa	
	Observed MW: 50-70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human, mouse	WB : NCCIT cells, HepG2 cells, MCF-7 cells, MDA-MB-231 cells
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	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

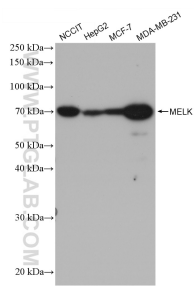
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

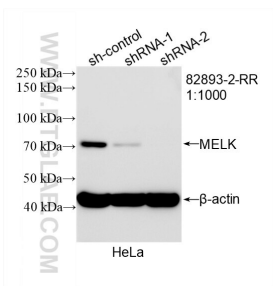
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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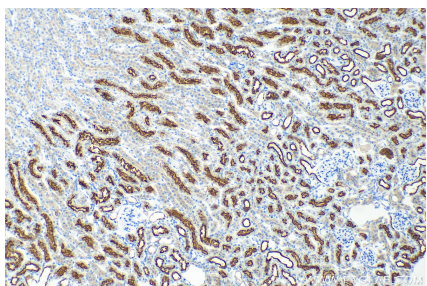
Selected Validation Data



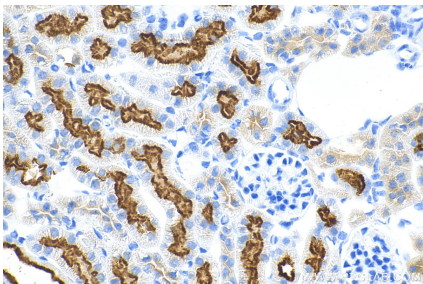
Various lysates were subjected to SDS PAGE followed by western blot with 82893-2-RR (MELK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



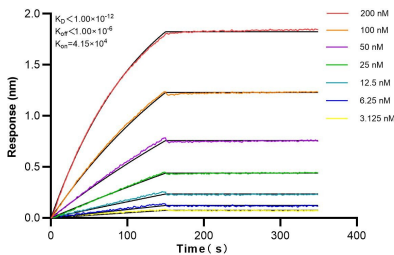
WB result of MELK antibody (82893-2-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MELK transfected HeLa cells.



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.