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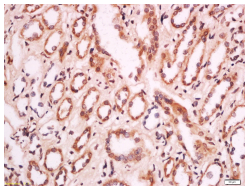
MELK Rabbit pAb

Catalog Number:	bs-12201R
Target Protein:	MELK
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human (predicted:Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)
Predicted MW:	75 kDa
Entrez Gene:	9833
Swiss Prot:	Q14680
Source:	KLH conjugated synthetic peptide derived from Human MELK/HPK38: 101-250/651.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	MELK a new member of the Snf1/AMPK family of kinases, encodes a protein with a kinase catalytic domain and a leucine zipper motif consisting of a periodic repetition of leucine residues at every seventh residue located within the N-terminal catalytic domain. This motif has been observed in myriad DNA-binding proteins and is presumed to be involved in protein-DNA interactions, and potentially protein-protein interactions. Research predicts that the gene product of MELK plays a role in the signal transduction events in the egg and early embryo. Mouse and human MELK proteins share 95% sequence identity in the kinase domain and northern blot analysis in mouse indicates that MELK expression is restricted to spermatogonia in the testis and to oocytes in the ovary.

VALIDATION IMAGES



Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MELK Polyclonal Antibody, Unconjugated(bs-12201R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.6] Ming-Feng He. et al. Coptisine Inhibits Influenza Virus Replication by Upregulating p21. MOLECULES. 2023 Jan;28(14):5398 WB ; Dog . 37513270

[IF=3.417] Salim F.A. Jeddo. et al. Maternal embryonic leucine zipper kinase serves as a poor prognosis marker and therapeutic target in osteosarcoma. Oncol Rep. 2020 Sep;44(3):1037-1048 IHC ; Mouse . 32705239