

## MELK (N449) polyclonal antibody

Catalog: BCP01092

Host: Rabbit

Reactivity: Human,Rat

### BackGround:

Maternal embryonic leucine zipper kinase (KIAA0175, HPK38) or 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 75 kDa

### Swiss-Prot:

Q14680

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

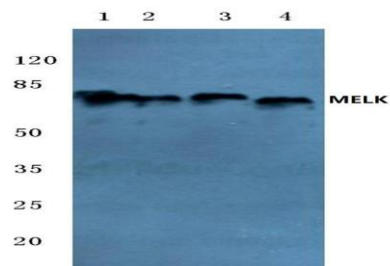
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

MELK (N449) polyclonal antibody detects endogenous levels of MELK protein.

### DATA:



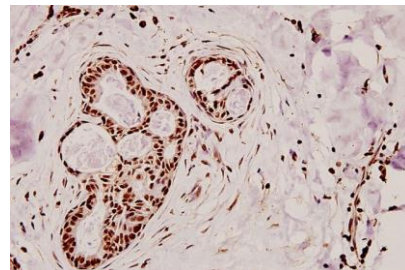
Western blot (WB) analysis of MELK (N449) pAb at 1:500 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:SK-OVCAR3 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(20ug)

Lane4:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of MELK (N449) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.