Anti-MELK Rabbit Polyclonal Antibody

Catalog #: 51172

Aliases

KIAA0175; Maternal embryonic leucine zipper kinase; hMELK; Protein kinase Eg3; pEg3 kinase; Protein kinase PK38; hPK38; Tyrosine-protein kinase MELK

Background

Gene Name: MELK
NCBI Gene Entry: 9833
UniProt Entry: Q14680

Application Information

Molecular Weight: Predicted, 52,59,66,69,70,71,74 kDa; observed, 74 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human, mouse, rat, monkey
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human MELK

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

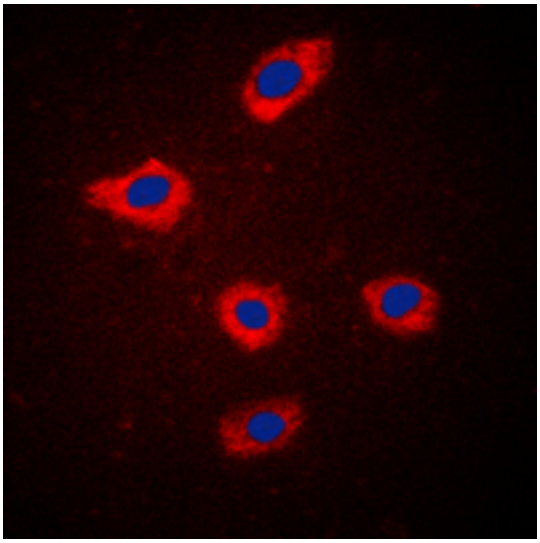
Store at -20 °C for one year.

Recommended Dilutions

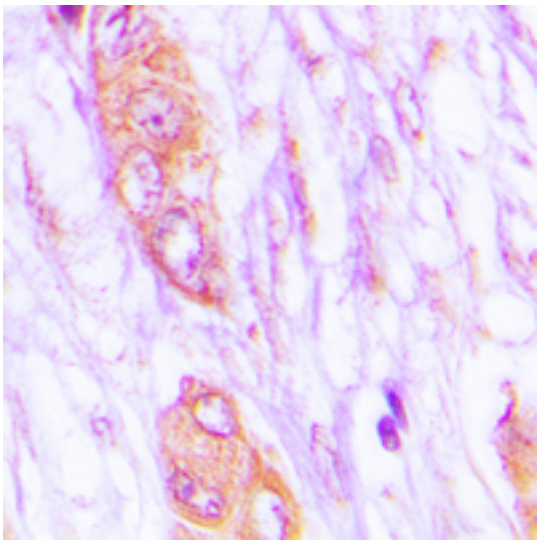
Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:100-1:200
Immunocytochemistry (IC): 1:100-1:500

Note: This product is for research use only.

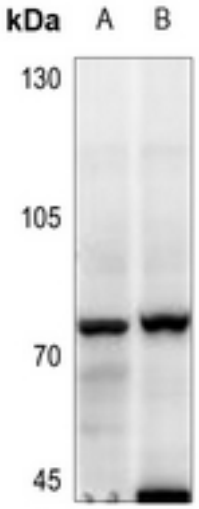
Validation Data



Immunocytochemical analysis of MELK staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of MELK staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blotting analysis of MELK expression in Hela (A), C6 (B) whole cell lysates.