

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB05041-T - Goat Anti-MELK Antibody - Trial

Size: 20µg specific antibody in 40µl

C

Target Protein

Principal Names: MELK, maternal embryonic leucine zipper kinase, KIAA0175, RP11-8N6.1, HPK38, OTTHUMP00000046113, pEg3 kinase Official Symbol: MELK Accession Number(s): NP_055606.1 Human GeneID(s): <u>9833</u>

Immunogen

Peptide with sequence KRLVEDILSSCKV, from the C Terminus of the protein sequence according to NP_055606.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

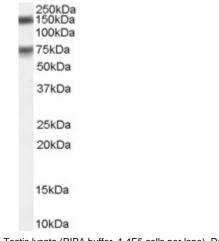
Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Experiments gave bands at approx 75kDa and 150kDa in Human Testis lysates and in cell lines HeLa and Jurkat after 0.1µg/ml antibody staining. The150kDa band is explained by glycosylation of this member of the AMPK family. This protein has a calculated MW of 74.6kDa according to NP_055606.1. Recommended concentration: 0.1-0.3µg/ml. Preliminary testing was unsuccessful on Mouse Testis for this particular batch.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Dog, Cow



EB05041 (0.1µg/ml) staining of Human Testis lysate (RIPA buffer, 1.4E5 cells per lane). Detected by chemiluminescence.