

## UK 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



### 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):** [9833](#)

### 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. The 150kDa 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.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Dog, Cow. This batch is not expected to cross-react with Mouse Testis in Western blot.

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