



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07476 - Goat Anti-mKIAA0319 (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** mKIAA0319, similar to KIAA0319 gene product, 4930451E12Rik, KIAA0319

**Official Symbol:** D130043K22Rik

**Accession Number(s):** NP\_001074520.1

**Non-Human GeneID(s):** 210108 (mouse), 361244 (rat)

**Important Comments:** The variants XP\_341528.2 and XP\_001070349.1 represent identical protein. This antibody is expected to cross-react with mouse KIAA0319 isoform 1 (NP\_001074520.1), isoform 2 (XP\_994023.1) and isoform 4 (XP\_913491.1).

### Immunogen

Peptide with sequence C-QGKIKQENKPTLH, from the internal region of the protein sequence according to NP\_001074520.1.

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

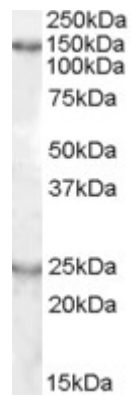
**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx 150kDa band observed in Mouse Brain lysates (calculated MW of 118kDa according to Mouse NP\_001074520.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Velayos-Baeza, Hum Mol Genet. 2008 Mar 15;17(6):859-71; PMID: 18063668). Recommended concentration: 0.5-1.5µg/ml. An additional band of unknown identity was also consistently observed at 25kDa. This band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any such results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Mouse, Rat



EB07476 (0.5 $\mu$ g/ml) staining of Mouse Brain lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.