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