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EB09009 - Goat Anti-KALRN Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: KALRN, kalirin, RhoGEF kinase, DUET, FLJ16443, HAPIP, TRAD, duo, huntingtin-associated protein interacting protein (duo), serine/threonine kinase with Dbl- and pleckstrin homology domains
Official Symbol: KALRN
Accession Number(s): NP_001019831.2; NP_003938.1; NP_008995.2
Human GeneID(s): 8997
Non-Human GeneID(s): 545156 (mouse), 84009 (rat)
Important Comments: This antibody is expected to recognize reported isoforms NP_001019831.2 and NP_003938.1.

Immunogen

Peptide with sequence DRGSFRNDGLKAS-C, from the N Terminus of the protein sequence according to NP_001019831.2; NP_003938.1; NP_008995.2.

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 1:64000.
Western blot: Preliminary experiments gave an approx 49kDa band in Human, Mouse and Rat Brain lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 340kDa according to NP_001019831.2 and of 192kDa according to NP_003938.1. The 49kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:
Expected from sequence similarity: Human, Mouse, Rat, Cow