

#### International Office

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# EB06143 - Goat Anti-Kalirin Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** KALRN, kalirin, RhoGEF kinase, FLJ16443, HAPIP, TRAD, duo, huntingtin-associated protein interacting protein (duo), serine/threonine kinase with Dbland pleckstrin homology domains, hCG\_2022551, DUET, DUO, FLJ12332, FLJ18196,

FLJ18623

Official Symbol: KALRN

Accession Number(s): NP\_003938.1; NP\_001309918.1; NP\_001309919.1;

NP\_001309920.1; NP\_001309921.1

Human GenelD(s): 8997

Non-Human GenelD(s): 545156 (mouse), 84009 (rat)

**Important Comments:** This antibody is expected to recognise NP\_003938.1;(isoform 2),,NP\_001309918..1 (9isoform 5), NP\_001309919.1;(isoform 6), NP\_001309920.1 (isoform 7), and NP\_001309921.1 (isoform 8).

### **Immunogen**

Peptide with sequence C-RWHLGPGDPFSTYV, from the C Terminus of the protein sequence according to NP\_003938.1; NP\_001309918.1; NP\_001309919.1; NP\_001309920.1; NP\_001309921.1.

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 1:16000.

**Western blot:** Preliminary testing showed a band at approx.. 200kDa in Rat Brain lysate, after 0.1ug/ml antibody staining (calculated Mwt. of 192.5 kDa according to XP\_038944588.1). Primary incubation 1 hour at room temperature.

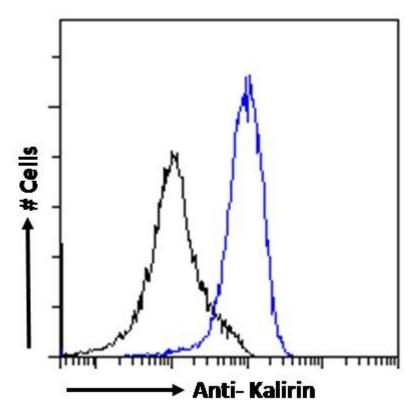
IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 4-5µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

# **Species Reactivity**

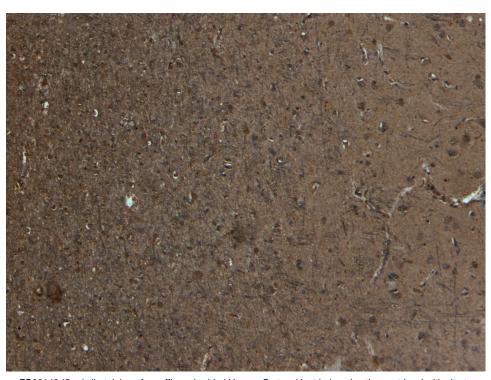
Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

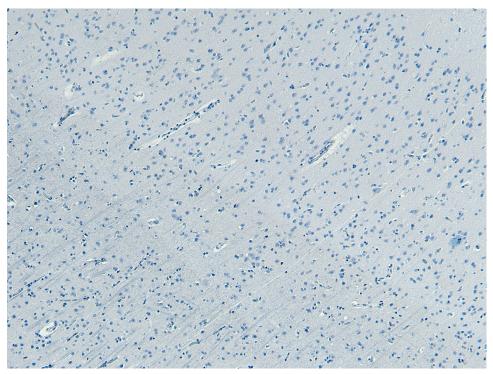


EB06143 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB06143 ( $5\mu g/ml$ ) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\sf EB06143\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Cortex,\ with\ no\ primary\ antibody.}$