

#### **UK Office**

#### **Everest Biotech Ltd**

Cherwell Innovation Centre

77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

**Enquiries:** 

info@everestbiotech.com

Sales:

UK

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

#### **US Office**

#### **Everest Biotech c/o Abcore**

405 Maple Street, Suite A106

Ramona, CA 92065 USA

Inquiries:

info@everestbiotech.com

Sales:

 $\underline{usasales@everest biotech.com}$ 

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB05492-B - Goat Anti-Kinesin 1 / UKHC, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** KIF5B, kinesin family member 5B, HEL-S-61, KINH, KNS, KNS1, UKHC, conventional kinesin heavy chain, epididymis secretory protein Li 61, kinesin 1 (110-120kD), kinesin heavy chain, ubiquitous kinesin heavy chain

Official Symbol: KIF5B

Accession Number(s): NP\_004512.1

Human GenelD(s): 3799

Non-Human GenelD(s): 16573 (mouse), 117550 (rat)

## **Immunogen**

Peptide with sequence CQPVAVRGGGGKQV., from the C Terminus of the protein sequence according to NP\_004512.1.

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 1:8000.

Western blot: Approx 120kDa band observed in lysates of cell line HeLa (calculated MW of 110kDa according to NP\_004512.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 1-3μg/ml.

# **Species Reactivity**

Tested: Human, Dog

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Biotinylated EB05492 (1µg/ml) staining of HeLa lysate (35µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.