EB05492-B - Goat Anti-Kinesin 1 / UKHC, Biotinylated Antibody
Size: $100 \mu \mathrm{~g}$ specific antibody in $200 \mu \mathrm{l}$

## 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 GeneID(s): 3799
Non-Human GeneID(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 $0.5 \mathrm{mg} / \mathrm{ml}$ in Tris saline, $0.02 \%$ sodium azide, pH 7.3 with $0.5 \%$ bovine serum albumin.
Aliquot and store at $-20^{\circ} \mathrm{C}$. 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 110 kDa according to NP_004512.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: $1-3 \mu \mathrm{~g} / \mathrm{ml}$.

## Species Reactivity

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

## 250kDa

## 50 kDa

37 kDa

## 25 kDa

## 20 kDa

## 15 kDa

Biotinylated EB05492 ( $1 \mu \mathrm{~g} / \mathrm{ml}$ ) staining of HeLa lysate ( $35 \mu \mathrm{~g}$ 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.

