



## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05480 - Goat Anti-KIF4A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** KIF4A, kinesin family member 4A, FLJ12530, FLJ12655, FLJ14204, FLJ20631, HSA271784, KIF4, KIF4-G1, chromokinesin, kinesin family member 4

**Official Symbol:** KIF4A

**Accession Number(s):** NP\_036442.3

### Immunogen

Peptide with sequence SFFSGCSPIEEEAH, from the C Terminus of the protein sequence according to NP\_036442.3.

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:** Approx 150kDa band observed in nuclear lysates of cell line NIH3T3 (calculated MW of 139.5kDa according to Mouse NP\_032472.2). Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature. **Negative**

**Control:** Human Ovary lysate.

**Immunofluorescence:** Strong expression of the protein seen in the nucleus of U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Pig, Cow

EB05480 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

EB05480 (2μg/ml) staining of nuclear NIH3T3 (A) and (2ug/ml) negative control Human Ovary (B) lysate. (35μg protein in RIPA buffer) Detected by chemiluminescence.

EB05480 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.