



## International Office

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**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

**Human GeneID(s):** [24137](#)

### Immunogen

Peptide with sequence SFFSGCSPIIEEAH, 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 nuclei of U2OS cells. Recommended concentration: 10µg/ml.

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

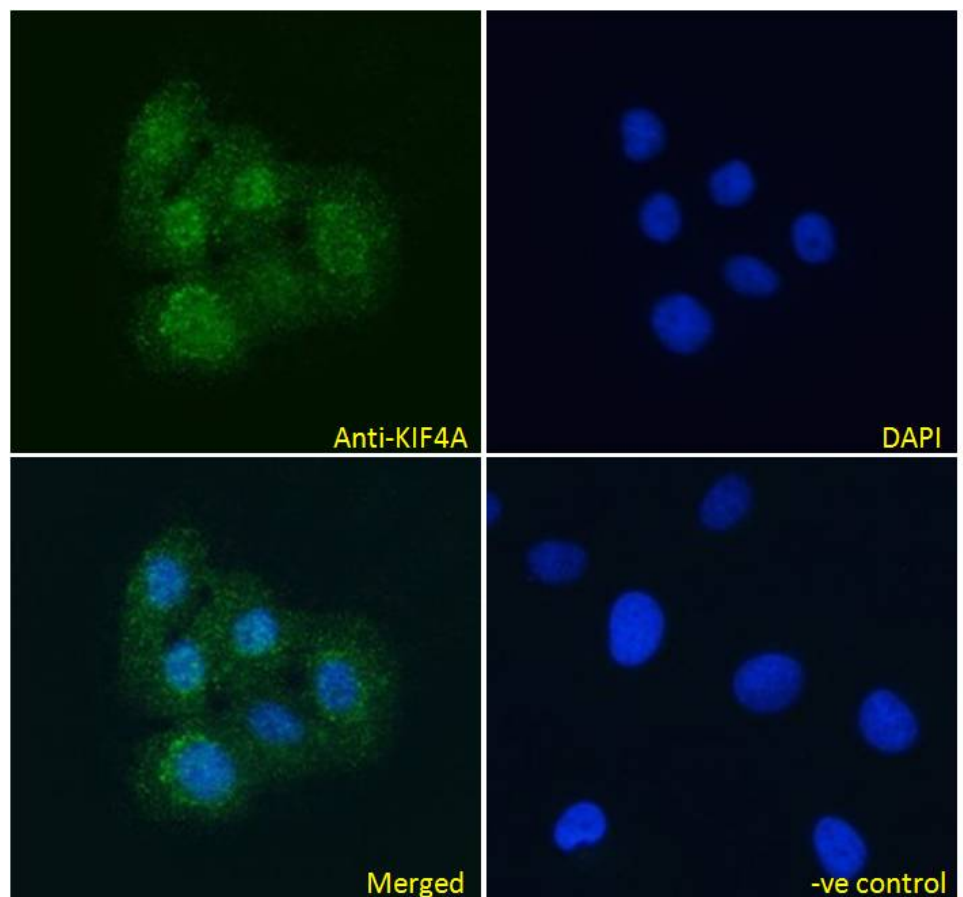
### Species Reactivity

**Tested:** Human, Mouse

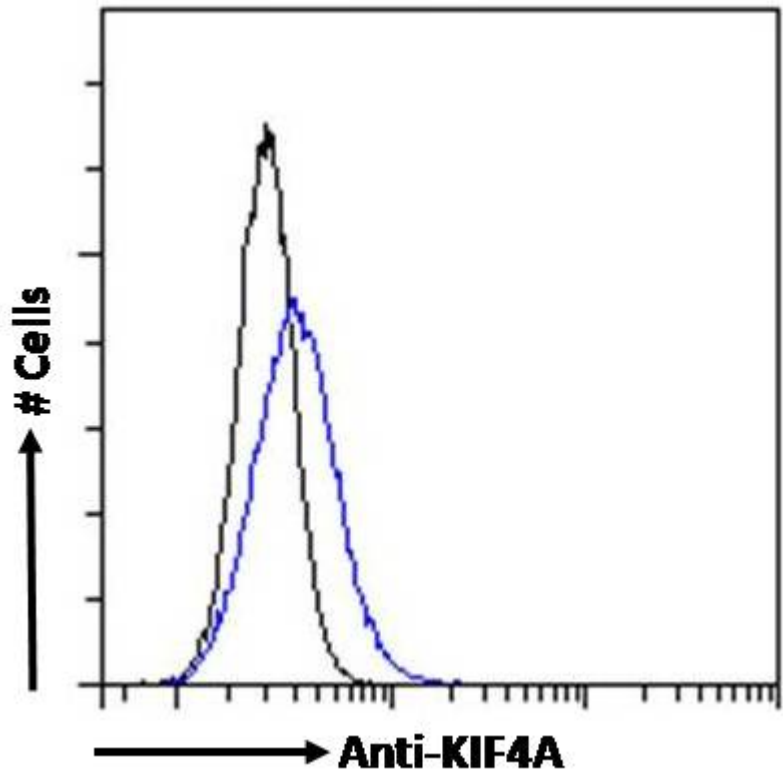
**Expected from sequence similarity:** Human, Mouse, Rat, Pig, Cow



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



EB05480 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (4 $\mu$ g/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (4 $\mu$ g/ml).



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.