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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 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.

 ${\bf Immunofluorescence:}\ {\bf Strong}\ {\bf expression}\ {\bf of}\ {\bf the}\ {\bf protein}\ {\bf seen}\ {\bf in}\ {\bf the}\ {\bf nuclei}\ {\bf of}\ {\bf U2OS}\ {\bf cells}.$ 

Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended

concentration: 10ug/ml.

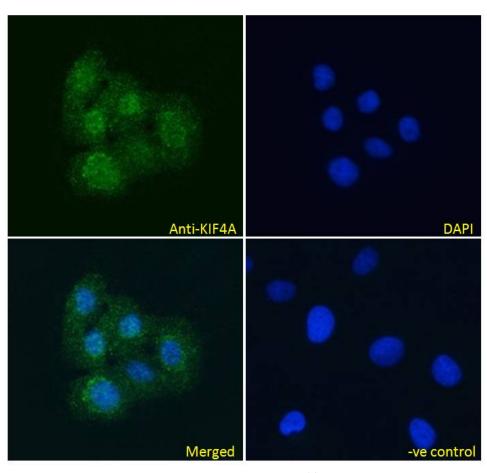
## **Species Reactivity**

Tested: Human, Mouse

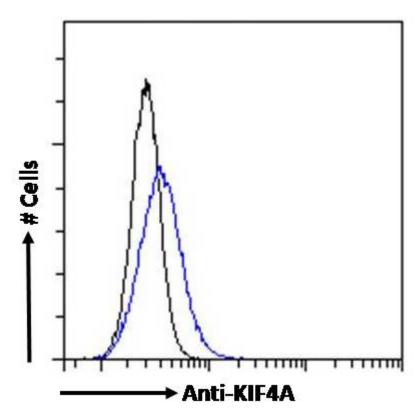
Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow



EB05480 (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 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 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.