# KIF20A (H-299): sc-292218



The Power to Question

#### **BACKGROUND**

The Kinesins constitute a large family of microtubule-dependent motor proteins which are responsible for the distribution of numerous organelles, vesicles and macromolecular complexes throughout the cell. Individual Kinesin members play crucial roles in cell division, intracellular transport and membrane trafficking events, including endocytosis and transcytosis. KIF20A (kinesin family member 20A), also known as Rabkinesin 6, RAB6KIFL (Rab 6-interacting kinesin-like protein), GG10\_2 or MKLP2 (mitotic kinesin-like protein 2), is a 890 amino acid protein that contains one kinesin-motor domain and belongs to the Kinesin-like protein family. KIF20A locates to the Golgi apparatus and interacts with guanosine triphosphate (GTP)-bound forms of RAB 6. KIF20A may be responsible for the retrograde RAB 6 regulated transport of Golgi membranes and related vesicles along microtubules.

## **REFERENCES**

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## CHROMOSOMAL LOCATION

Genetic locus: KIF20A (human) mapping to 5q31.2; Kif20a (mouse) mapping to 18 B1.

## SOURCE

KIF20A (H-299) is a rabbit polyclonal antibody raised against amino acids 592-890 mapping at the C-terminus of KIF20A of human origin.

### **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

#### **APPLICATIONS**

KIF20A (H-299) is recommended for detection of KIF20A of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

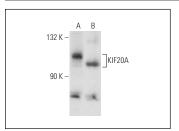
KIF20A (H-299) is also recommended for detection of KIF20A in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for KIF20A siRNA (h): sc-91657, KIF20A siRNA (m): sc-146470, KIF20A shRNA Plasmid (h): sc-91657-SH, KIF20A shRNA Plasmid (m): sc-146470-SH, KIF20A shRNA (h) Lentiviral Particles: sc-91657-V and KIF20A shRNA (m) Lentiviral Particles: sc-146470-V.

Molecular Weight of KIF20A: 100 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or mouse brain extract: sc-2235.

### DATA



KIF20A (H-299): sc-292218. Western blot analysis of KIF20A expression in HeLa whole cell lysate (**A**) and mouse brain tissue extract (**B**).

## **STORAGE**

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

#### **PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **KIF20A (D-3): sc-374508**, our highly recommended monoclonal alternative to KIF20A (H-299).

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