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# KIFC2 (m): 293 Lysate: sc-178846

## BACKGROUND

The kinesin superfamily proteins (KIFs) are microtubule-dependent molecular motors that transport membranous organelles and protein complexes in a microtubule- and ATP-dependent manner. Cells use KIFs to tightly control the direction, destination, and speed of transportation of a variety of important functional molecules, including mRNA. KIFC2 is 792 amino acid member of the C-terminal motor family specifically expressed in both the central and peripheral nervous systems in nonproliferative cells. KIFC2 accumulates at the proximal and distal sides of axons and is a minus-end-directed kinesin. KIFC2 localizes with some, but not all, axonally transported organelles. KIFC2 may be involved in retrograde axonal transport.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: *Kifc2* (mouse) mapping to 15 D3.

## PRODUCT

KIFC2 (m): 293 Lysate represents a lysate of mouse KIFC2 transfected 293 cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## APPLICATIONS

KIFC2 (m): 293 Lysate is suitable as a Western Blotting positive control for mouse reactive KIFC2 antibodies. Recommended use: 10-20  $\mu$ l per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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](http://www.scbt.com) for detailed protocols and support products.