KIFC1
Polyclonal ANTIBODY
Catalog Number:20790-1-AP

Basic Information
Catalog Number: 20790-1-AP
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG14492
GenBank Accession Number: BC000712
GeneID (NCBI): 3833
Gene Family: kinesin family member C1
Calculated MW: 673aa, 74 kDa
Observed MW: 55-70 kDa

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:20-1:200
IF 1:10-1:100

Applications
Tested Applications: IF, IHC, WB, ELISA
Cited Applications: IF, WB
Species Specificity: human, mouse, rat
Cited Species: human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

KIFC1 is a molecular motor protein belonging to the kinesin-14 family that has motor domains at the C-terminus. KIFC1 is widely distributed, with highest expression in testis and participating in acrosome biogenesis and vesicle transport. It is also abundant in ovary, spleen, and liver. KIFC1 proteins are generally localized in the perinuclear region, and have been found to be involved chromosome alignment, congression and intracellular DNA transport. This antibody was raised against the C-terminal region of human KIFC1 protein, and recognizes 55-70 kDa of endogenous KIFC1 protein in multiple tissue lysates. (12826589, 15236353, 23543461)

Notable Publications

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<td>Erlei Zhi</td>
<td>27950105</td>
<td>Genes (Basel)</td>
<td>WB, IF</td>
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<td>Si-Hyung Lee</td>
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<td>Sara Canato</td>
<td>30066065</td>
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Background Information

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Immunofluorescent analysis of HeLa cells, using KIFC1 antibody 20790-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).

Rat testis tissue were subjected to SDS PAGE followed by western blot with 20790-1-AP KIFC1 Antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunohistochemistry of paraffin-embedded human testis tissue slide using 20790-1-AP (KIFC1 Antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemistry of paraffin-embedded human testis tissue slide using 20790-1-AP (KIFC1 Antibody) at dilution of 1:50 (under 40x lens).