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# FLTR3 (h2): 293T Lysate: sc-173180

## BACKGROUND

FLTR3 (Fibronectin leucine-rich transmembrane protein 3), also known as KIAA1469, is a 649 amino acid single-pass type I membrane protein that contains one Fibronectin type-III domain and ten leucine-rich repeats and belongs to the Fibronectin leucine-rich transmembrane protein (FLRT) family. Expressed in heart, liver, lung, kidney, pancreas, brain, placenta and skeletal muscle, FLTR3 is thought to be involved in receptor signaling events and may play a role in both cell adhesion and neurite outgrowth. Defects in the gene encoding mouse FLRT3 may lead to ventral closure, headfold fusion and endoderm migration defects, suggesting that FLRT3 is important for proper cell differentiation and development. FLRT3 exists as multiple alternatively spliced isoforms that are encoded by a gene which maps to human chromosome 20p12.1.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: FLRT3 (human) mapping to 20p12.1.

## PRODUCT

FLTR3 (h2): 293T Lysate represents a lysate of human FLRT3 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## APPLICATIONS

FLTR3 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive FLRT3 antibodies. Recommended use: 10-20  $\mu$ l per lane.

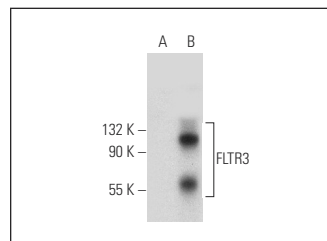
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FLTR3 (A-3): sc-514482 is recommended as a positive control antibody for Western Blot analysis of enhanced human FLRT3 expression in FLRT3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:  
 1) Western Blotting: use m-IgG $\kappa$  BP-HRP: sc-516102 or m-IgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

## DATA



FLTR3 (A-3): sc-514482. Western blot analysis of FLTR3 expression in non-transfected: sc-117752 (A) and human FLTR3 transfected: sc-173180 (B) 293T whole cell lysates.

## 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.