

Afamin (S-17): sc-74313

BACKGROUND

Afamin (AFM), also known as α -albumin, is a 599 amino acid protein belonging to the ALB/AFP/VDB family. Members of the ALB/AFP/VDB family are encoded by four genes that localize to chromosome 4 in a tandem arrangement. The four genes encode proteins, including ALB, AFB, Afamin and DBP, that are structurally related serum transport proteins. Afamin is believed to play a role in the transport of a yet unknown ligand. Afamin is expressed in the liver and is secreted into the bloodstream. Afamin contains three ALB domains and is N-glycosylated.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: AFM (human) mapping to 4q13.3; Afm (mouse) mapping to 5 E1.

SOURCE

Afamin (S-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Afamin of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-74313 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Afamin (S-17) is recommended for detection of Afamin of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Afamin (S-17) is also recommended for detection of Afamin in additional species, including equine.

Suitable for use as control antibody for Afamin siRNA (h): sc-72462, Afamin siRNA (m): sc-72463, Afamin shRNA Plasmid (h): sc-72462-SH, Afamin shRNA Plasmid (m): sc-72463-SH, Afamin shRNA (h) Lentiviral Particles: sc-72462-V and Afamin shRNA (m) Lentiviral Particles: sc-72463-V.

Molecular Weight of Afamin: 69 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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 **Afamin (G-10): sc-373849**, our highly recommended monoclonal alternative to Afamin (S-17).