



AMIGO2 (m): 293T Lysate: sc-118374

BACKGROUND

The amphoterin-induced gene and ORF (AMIGO) family of proteins consists of AMIGO1, AMIGO2 and AMIGO3. All three members are single pass type I membrane proteins that contain several leucine-rich repeats, one IgG domain and a transmembrane domain. The AMIGO proteins are specifically expressed on fiber tracts of neuronal tissues and participate in their formation. AMIGO proteins can form complexes with each other, but can also bind themselves. AMIGO1, also designated Alivin 2, promotes growth and fasciculation of neurites and plays a role in myelination and fasciculation of developing neural axons. In cerebellar neurons, AMIGO2 (Alivin 1) is crucial for depolarization-dependent survival. Similar to AMIGO1 and AMIGO2, AMIGO3 (Alivin 3) plays a role in homophilic and/or heterophilic cell-cell interaction and signal transduction.

REFERENCES

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4. Chen, Y., Aulia, S., Li, L. and Tang, B.L. 2006. AMIGO and friends: An emerging family of brain-enriched, neuronal growth modulating, type I transmembrane proteins with leucine-rich repeats (LRR) and cell adhesion molecule motifs. *Brain Res. Brain Res. Rev.* 51: 265-274.

CHROMOSOMAL LOCATION

Genetic locus: Amigo2 (mouse) mapping to 15 F1.

PRODUCT

AMIGO2 (m): 293T Lysate represents a lysate of mouse AMIGO2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

AMIGO2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive AMIGO2 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T 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 for detailed protocols and support products.