

AMIGO-1 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56530 (clone S86-36)
Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.
Purified by Protein G affinity
chromatography.

BACKGROUND

The amphoterin-induced gene and ORF (AMIGO) family of proteins consists of AMIGO-1, AMIGO-2 and AMIGO-3. 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. They can form complexes with each other, but can also self-bind. AMIGO1, (also designated Alivin2) promotes growth and fasciculation of neurites and plays a role in myelination and fasciculation of developing neural axons.

SPECIFICATION SUMMARY

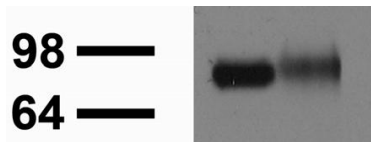
Antigen: Fusion protein corresponding to aa 554-574, the cytoplasmic C-terminus, of human AMIGO-1 (accession no.Q86WK6).
Host Species: Mouse
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human, mouse and rat AMIGO-1. It does not cross-react with AMIGO-2 or AMIGO-3.

APPLICATIONS

Immunoblotting: use at 1ug/ml. Predicted molecular weight is ~60-80kDa depending on maturity/glycosylation.



#56530 on rat brain and mouse brain lysates.

Positive Control: rat brain lysate.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.