

LRP4 (cytoplasmic) Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56539 (clone S164-6)
Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.
Purified by Protein G affinity
chromatography.

BACKGROUND

The formation of neuromuscular junctions (NMJ) requires the interaction between motor neurons and muscle fibers. LRP4 (low-density lipoprotein receptor-related protein 4) is a receptor of agrin that is thought to act in *cis* to stimulate MuSK in muscle fibers for postsynaptic differentiation. Recent studies of muscle-specific mutants suggest that LRP4 is involved in determining where AChR clusters form in muscle fibers, postsynaptic differentiation, and axon terminal development.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 1747-1905 (cytoplasmic C-terminus) of mouse LRP4 (accession no.Q8V156).

Host Species: Mouse

Antibody Class: IgG1

SPECIFICITY

This antibody recognizes mouse and rat LRP4.

APPLICATIONS

Immunoblotting: use at 1ug/ml. Predicted molecular weight is ~215kDa. Degradation products of approx. 100kDa are also detected.

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.