Anti-Mouse Neuropilin-1 Serum
Catalog Number: 24-6800
Also Known As: NRP1, NRP2
RUO: For Research Use Only

Product Information

**Contents:** Anti-Mouse Neuropilin-1 Serum

- **Catalog Number:** 24-6800
- **Clone:** Polyclonal
- **Host/Isotype:** Goat IgG
- **Formulation:** contains 0.09% Sodium Azide
- **Temperature Limitation:** Store at 2-8°C.
- **Batch Code:** Refer to Vial
- **Use By:** Refer to Vial
- **Caution, contains Azide**

Description
The Neuropilin-1 antibody reacts with mouse Neuropilin-1, a cell surface glycoprotein originally identified in Xenopus tadpole nervous tissues. Immunohistochemistry and in situ hybridization analyses in mice indicated that the expression of neuropilin was restricted to axons of particular neuron classes, and at stages when axon growth is active. Neuropilin protein was localized on axons but not on the somata of neurons and can mediate cell adhesion by heterophilic molecular interaction. The gain and loss of function of neuropilin in developing mouse embryos causes defasciculation and incorrect sprouting of nerve fibers. It is postulated that neuropilin serves in a variety of neuronal cell interactions by binding to a variety of molecules, and that it plays essential roles in nerve fiber fasciculation and targeting.

Applications Reported
The Polyclonal antibody has been reported for use in immunohistochemical staining of frozen mouse embryonic tissue sections (Fixation with 4% PFA).

Applications Tested
The Polyclonal antibody has been tested by immunohistochemical staining of embryonic mouse neural tissues (spinal motor axons and DRG sensory axons) and embryonic blood vessels. The serum should be diluted 1:300-1:1000 in PBS.

References

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