

Product Information

Anti-SHANK1a

produced in rabbit, affinity isolated antibody

Catalog Number **S8947**

Product Description

Anti-Shank1a is produced in rabbit using as immunogen a synthetic peptide corresponding to residues [SGPIYPGLFDIRSS] of the C terminus of the human Shank1a (GenelD 50944). The antibody is affinity-purified.

Anti-Shank1a recognizes human Shank1a. Applications include the detection of Shank1a by immunoblotting and immunohistochemistry.

Shank is a novel family of postsynaptic density proteins (PSD) that bind to PSD-95-associated protein GKAP. Its putative function is to act as a scaffold protein in the PSD to cross-link NMDA receptors/PSD-95 complexes and couple them to regulators of the actin cytoskeleton. Shank1a is a splice variant of Shank1.

Reagent

Supplied as a solution in phosphate buffered saline, containing 0.02% sodium azide.

Antibody concentration: ~1.0 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to three months. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended.

Product Profile

Immunoblotting: a working dilution of 1:500 to 1:1,000 is recommended.

Immunohistochemistry: an optimal working antibody dilution should be determined.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining the optimal working dilutions by titration.

References

1. Naisbitt, et al., *Neuron*. **23**: 569-582 (1999).

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