

SHANK Antibody

Purified

Monoclonal Antibody

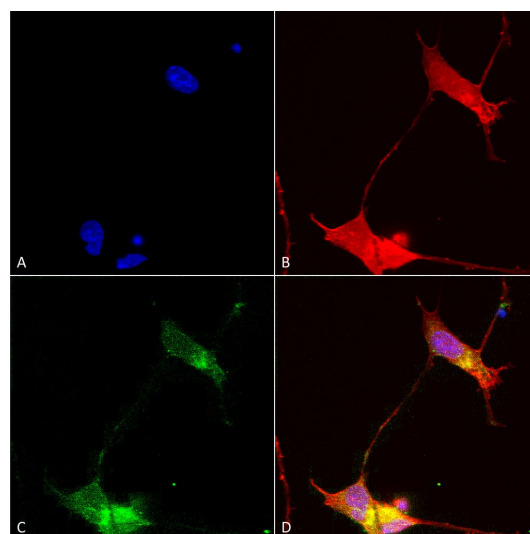
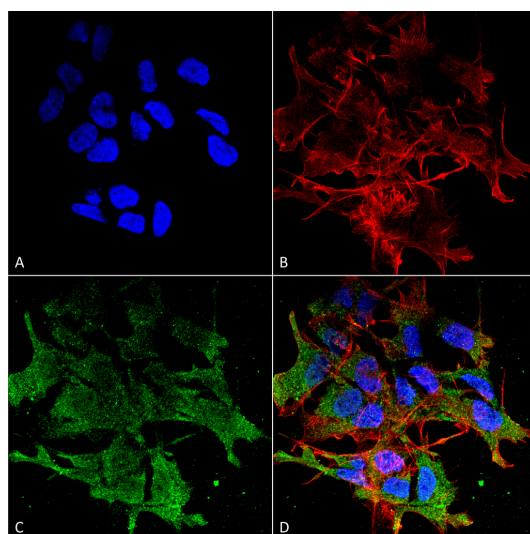
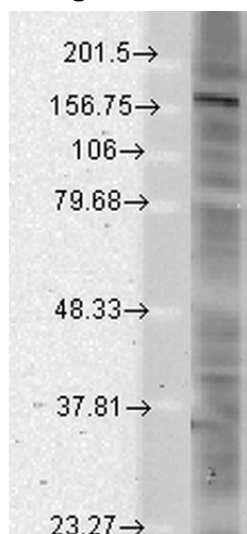
Product Information

Product No.: 56468

Clone: S23b-49

Isotype: Mouse IgG1

Storage: Sterile 2° to 8°C



Product Description

Specificity:

This antibody recognizes human, mouse, and rat Shank 1, 2, and 3.

Background:

Shank proteins are a family of scaffold proteins identified through their interaction with a variety of membrane and cytoplasmic proteins. Shank proteins at postsynaptic sites of excitatory synapses play roles in signal transmission into the postsynaptic neuron. Shank proteins are crucial in receptor tyrosine kinase signaling. Recent studies suggest that disruption of glutamate receptors at the Shank-postsynaptic platform could contribute to the destruction of post-synaptic density which underlies synaptic dysfunction and loss in Alzheimer's disease.

Known Reactivity Species:

Human, Mouse, Rat

Format:

Purified

Immunogen:

Fusion protein corresponding to aa 84-309 (SH3/PDZ domains) of rat Shank2 (accession no. Q9QX74). This sequence is 94

Formulation

PBS, pH 7.4; 50% glycerol, 0.09% sodium azide.

Storage and Stability

This antibody is stable for at least one (1) year at -20°C. **Avoid repeated freezing and thawing.**

Product Preparation

Purified by Protein G affinity chromatography

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

Immunoblotting: use at 1-10ug/mL. A band of ~160kDa is detected. Immunohistochemistry and

Immunocytochemistry: use at 0.1-1ug/mL

Immunofluorescence: use at 1-10ug/mL

These are recommended concentrations. User should determine optimal concentrations for their application.

Positive control: Adult rat brain lysate.

Country of Origin

USA