



Endophilin 3, SH3 Domain

Catalog number

E2291-48N

Supplier

United States Biological

Endophilin 3 is a 40kD protein. Unlike endophilin 1 that is expressed in the brain and endophilin 2 that is found in the brain and testis, endophilin 3 shows a more ubiquitous expression pattern. Endophilins have been proposed to play roles in membrane trafficking reactions through interactions with endocytic protein via physical or chemical modifications of the membrane bilayer, particularly in presynaptic vesicle trafficking at nerve terminals.

Applications

Suitable for use in ELISA and Western Blot. Other applications have not been tested.

Recommended Dilutions

ELISA (Immunogen): 0.1-1ug/ml

Western Blot (Mouse and rat): 1-3ug/ml

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Synthetic peptide corresponding to the internal region of the mouse endophilin 3 (SH3p13) protein.

Formulation

Supplied as a liquid in PBS, pH 7.4, 0.09% sodium azide.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes the mouse endophilin 3 protein. at ~40kD. Species Crossreactivity: rat. Species sequence homology: human. Reactivity has been confirmed with mouse and rat brain homogenates.

Product Type

Pab

Source

mouse

Isotype

IgG

**Grade**

Affinity Purified

Applications

E WB

Crossreactivity

Mo Rt

Storage

-20°C

Reference

1. Giachino C, et al. Genomics 414: 308-312, 1997. 2. Ringstad N, et al. J Biol Chem 276(44): 40424-40430, 2001.