



Rabbit anti Shaker (Biotinylated) Polyclonal Antibody

Alternative Name(s): Shaker, Potassium voltage-gated channel protein shaker;
CG12348-PE, Potassium channel protein

Order Information

- **Description:** Shaker (Biotinylated)
- **Catalogue:** 602-89B
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Dros

ANTIGEN PREPARATION

A synthetic peptide derived from N-terminus of Shaker protein.

BACKGROUND

The assemblage of specific ion channels and receptors at synaptic sites is crucial for signaling between pre- and post-synaptic cells. DLG (Drosophila discs-large gene) is co-localized with Shaker K1 channels, which are clustered at glutamatergic synapses. DLG-Shaker interactions are required in vivo for shaker clustering at the neuromuscular junction. The channel protein Shaker which is properly synthesized, glycosylated, folded, assembled and delivered to the plasma membrane is very important for the potassium channel function.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~73 kDa of Shaker protein.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 73.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS

REFERENCES

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