

Rabbit Shaker Polyclonal Antibody

Rabbit anti Shaker (Biotinylated) Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71339	Rabbit	Human, Drosophila	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Shaker; Polyclonal Antibody; Rabbit anti Shaker (Biotinylated) Polyclonal Antibody; Potassium voltage-gated channel protein shaker; CG12348-PE; Potassium channel protein; anti-Shaker antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Drosophila
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody recognizes ~73 kDa of Shaker protein.
Purity/Purification	Purified by Epitope Affinity Purification
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Applicable Applications for anti-Shaker antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Preparation	A synthetic peptide derived from N-terminus of Shaker protein.
Cellular Location	Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C. The antibodies can be stored at 2 degree C - 8 degree C for one month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



WB (Western Blot)

The whole cell lysate derived from HEK293 overexpressed Shaker cell lysate separated in SDS-PAGE, transferred onto a NC membrane, then blotted by Rabbit anti Shaker antibody at 1:500. An immunoreactive band is observed around ~73 kDa. (Biotinylated antibody (AAA71339) is confirmed by HRP-Streptavidin

ADDITIONAL INFORMATION

Related Product Information for anti-Shaker antibody

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.

References

Francisco J. Tejedor, et al. Essential Role for *dlg* in Synaptic Clustering of Shaker K⁺ Channels In Vivo. The Journal of Neuroscience, January 1, 1997, 17 (1):152 -159.

NCBI AND UNIPROT INFORMATION

NCBI GeneID

32780

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/shaker-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/71339>