

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

Anti-Kv4.2 K+ Channel Antibody

RRID:AB_2131945

Type: Antibody

Proper Citation

Antibodies Incorporated Cat# 75-016, RRID:AB_2131945

Antibody Information

URL: http://antibodyregistry.org/AB_2131945

Proper Citation: Antibodies Incorporated Cat# 75-016, RRID:AB_2131945

Target Antigen: Kv4.2 K+ channel

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IB, ICC, IHC, IP, KO, WB

Validation status: IF or IB (Pass), IB in brain (Pass), IHC in brain (Pass), KO (Pass)

This clone is associated with these products: purified (Antibodies Incorporated, Cat# 75-016, RRID:AB_2131945), supernatant (Antibodies Incorporated, Cat# 73-016, RRID:AB_10672254), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# K57/1, RRID:AB_2877281)

Antibody Name: Anti-Kv4.2 K+ Channel Antibody

Description: This monoclonal targets Kv4.2 K+ channel

Target Organism: rat, mouse, human

Clone ID: K57/1

Antibody ID: AB_2131945

Vendor: Antibodies Incorporated

Catalog Number: 75-016

Record Creation Time: 20250820T014502+0000

Record Last Update: 20250820T114541+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Kv4.2 K⁺ Channel Antibody.

No alerts have been found for Anti-Kv4.2 K⁺ Channel Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Hu JH, et al. (2025) Activity-dependent degradation of Kv4.2 contributes to synaptic plasticity and behavior in Angelman syndrome model mice. Cell reports, 44(5), 115583.

Jun S, et al. (2023) Organization of Purkinje cell development by neuronal MEGF11 in cerebellar granule cells. Cell reports, 42(9), 113137.

Rhee JK, et al. (2021) Projection-dependent heterogeneity of cerebellar granule cell calcium responses. Molecular brain, 14(1), 63.

Yokoi N, et al. (2021) 14-3-3 proteins stabilize LGI1-ADAM22 levels to regulate seizure thresholds in mice. Cell reports, 37(11), 110107.

Tiwari D, et al. (2020) The potassium channel Kv4.2 regulates dendritic spine morphology, electroencephalographic characteristics and seizure susceptibility in mice. Experimental neurology, 334, 113437.

Tiwari D, et al. (2019) MicroRNA inhibition upregulates hippocampal A-type potassium current and reduces seizure frequency in a mouse model of epilepsy. Neurobiology of disease, 130, 104508.

Park H, et al. (2019) Inputs from Sequentially Developed Parallel Fibers Are Required for Cerebellar Organization. Cell reports, 28(11), 2939.