

Anti-GluCl [GluCl] Standard Size Ab00979-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: GluCl

Alternative Name(s) of Target: Glutamate-gated chloride channel

UniProt Accession Number of Target Protein: G5EBR3

Published Application(s): crystallisation, WB

Published Species Reactivity: C. elegans

Immunogen: The antibody was raised against GluCl using standard methods.

Specificity: The antibody is specific for C. elegans GluCl. Customers report no detection of Drosophila GluCl by IHC.

Application Notes: The specificity of the antibody for properly folded pentameric GluCl has been assayed in Western blot and FSEC. A Fab fragment of this antibody was used to determine the structure of C. elegans GluCl by X-ray crystallography. Binding of the Fab to GluCl does not affect glutamate- or ivermectin-induced activity.

Antibody First Published in: Hibbs et al. Principles of activation and permeation in an anion-selective Cys-loop receptor. Nature. 2011 Jun 2;474(7349):54-60 [PMID:21572436](#)

Note on publication: Describes the crystallisation of GluCl in complex with ivermectin and Fab.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.