

## Product Information

**Anti-KCNS3**  
antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW21422**

Formerly listed as GenWay Catalog Number 15-288-21422,  
KCNS3 Antibody.

Storage Temperature Store at -20 °C

Synonyms: Potassium voltage-gated channel delayed-rectifier protein S3; Putative uncharacterized protein KCNS3

### Product Description

Voltage-gated potassium channels form the largest and most diversified class of ion channels and are present in both excitable and nonexcitable cells. Their main functions are associated with the regulation of the resting membrane potential and the control of the shape and frequency of action potentials. The alpha subunits are of 2 types: those that are functional by themselves and those that are electrically silent but capable of modulating the activity of specific functional alpha subunits. The protein encoded by this gene is not functional by itself but can form heteromultimers with member 1 and with member 2 (and possibly other members) of the Shab-related subfamily of potassium voltage-gated channel proteins. This protein belongs to the S subfamily of the potassium channel family.

NCBI Accession number: NP\_002243.3

Swiss Prot Accession number: Q4ZFY1

Gene Information: Human .. KCNS3 (3790)

Immunogen: Recombinant protein Potassium voltage-gated channel delayed-rectifier protein S3; Putative uncharacterized protein KCNS3

Immunogen Sequence: GI # 25952108, sequence 26 - 224

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

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