

**Anti-KCNQ4 Antibody (C-Terminus)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18431****Specification**

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**Anti-KCNQ4 Antibody (C-Terminus) - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P56696</a>
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77101

**Anti-KCNQ4 Antibody (C-Terminus) - Additional Information****Gene ID** 9132

Alias Symbol	KCNQ4
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**Other Names**  
KCNQ4, DFNA2A, DFNA2, KV7.4, KQT-like 4, Potassium channel KQT-like 4

**Target/Specificity**

Recognizes endogenous levels of Kv7.4 protein.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-KCNQ4 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-KCNQ4 Antibody (C-Terminus) - Protein Information****Name** KCNQ4**Function**

Probably important in the regulation of neuronal excitability. May underlie a potassium current involved in regulating the excitability of sensory cells of the cochlea. KCNQ4 channels are blocked by linopirdin, XE991 and bepridil, whereas clofilium is without significant effect. Muscarinic agonist oxotremorine-M strongly suppress KCNQ4 current in CHO cells in which cloned KCNQ4 channels were coexpressed with M1 muscarinic receptors.

**Cellular Location**

Basal cell membrane; Multi-pass membrane protein. Note=Situated at the basal membrane of cochlear outer hair cells

**Tissue Location**

Expressed in the outer, but not the inner, sensory hair cells of the cochlea. Slightly expressed in

heart, brain and skeletal muscle

### **Anti-KCNQ4 Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-KCNQ4 Antibody (C-Terminus) - Images**