

Datasheet for ABIN7164005  
**anti-KCNQ4 antibody (AA 401-516)**



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1 Image

## Overview

Quantity:	100 µg
Target:	KCNQ4
Binding Specificity:	AA 401-516
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ4 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Potassium voltage-gated channel subfamily KQT member 4 protein (401-516AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	KCNQ4
Alternative Name:	KCNQ4 ( <a href="#">KCNQ4 Products</a> )
Background:	Background: Probably important in the regulation of neuronal excitability. May underlie a

## Target Details

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.

Aliases: DFNA 2 antibody, DFNA2 antibody, KCNQ 4 antibody, Kcnq4 antibody, KCNQ4\_HUMAN antibody, KQT like 4 antibody, KQT-like 4 antibody, Kv7.4 antibody, Potassium channel KQT like 4 antibody, Potassium channel subunit alpha KvLQT4 antibody, Potassium voltage gated channel KQT like protein 4 antibody, Potassium voltage gated channel KQT like subfamily member 4 antibody, Potassium voltage gated channel subfamily KQT member 4 antibody, Potassium voltage-gated channel subfamily KQT member 4 antibody, Voltage gated potassium channel subunit Kv7.4 antibody, Voltage-gated potassium channel subunit Kv7.4 antibody

UniProt: [P56696](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

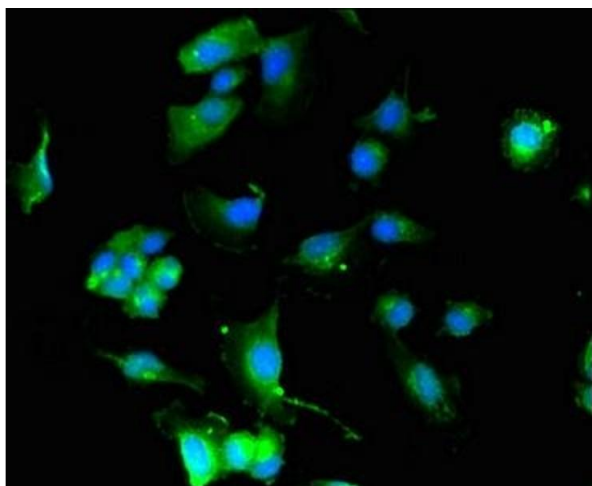
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of U251 cells using ABIN7164005 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)