

Datasheet for ABIN6243783  
**anti-KCNH1 antibody (AA 787-820)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	200 µL
Target:	KCNH1
Binding Specificity:	AA 787-820
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

## Product Details

Immunogen:	This KCNH1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 787-820 amino acids from the human region of human KCNH1.
Clone:	RB57957
Isotype:	Ig Fraction
Predicted Reactivity:	H
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	KCNH1
Alternative Name:	KCNH1 ( <a href="#">KCNH1 Products</a> )

## Target Details

**Background:** Pore-forming (alpha) subunit of voltage-gated non-inactivating delayed rectifier potassium channel. Channel properties may be modulated by cAMP and subunit assembly. Mediates IK(NI) current in myoblasts.

**Molecular Weight:** 111423

**UniProt:** [O95259](#)

## Application Details

**Application Notes:** IF: 1:25. WB: 1:2000. FC: 1:25

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

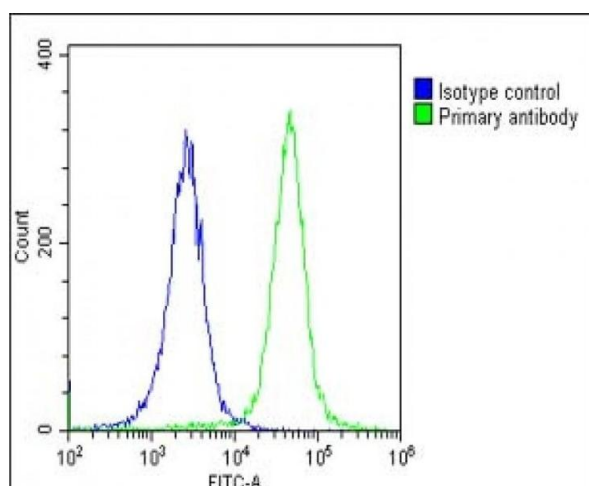
**Preservative:** Sodium azide

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

**Storage:** 4 °C, -20 °C

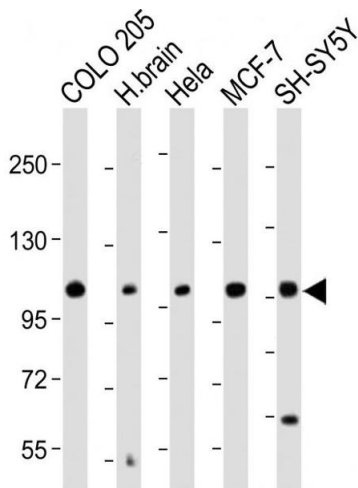
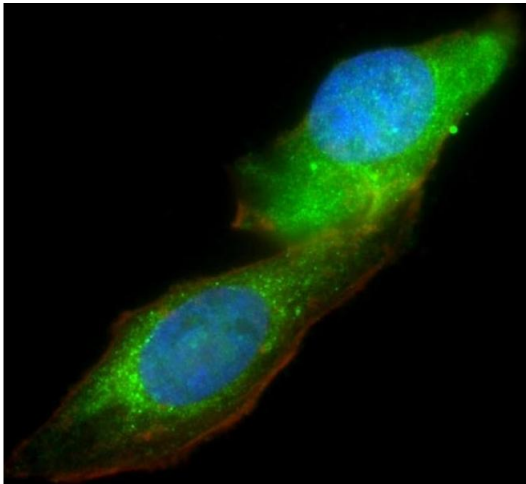
**Expiry Date:** 6 months

## Images



### Flow Cytometry

**Image 1.** Overlay histogram showing HeLa cells stained with (ABIN6243783 and ABIN6578884)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6243783 and ABIN6578884), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C.



Isotype control antibody (blue line) was rabbit IgG1 (1  $\mu$ g/ $1 \times 10^6$  cells) used under the same conditions. Acquisition of  $>10,000$  events was performed.

### Immunofluorescence

**Image 2.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa cells labeling KCNH1 with (ABIN6243783 and ABIN6578884) at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Nucleus and Cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with DyLight® 554 Phalloidin(red). The nuclear counter stain is DAPI (blue).

### Western Blotting

**Image 3.** All lanes : Anti-KCNH1 Antibody (C-Term) at 1:2000 dilution Lane 1: COLO 205 whole cell lysate Lane 2: Human brain lysate Lane 3: HeLa whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: SH-SY5Y whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 111 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.