

Datasheet for ABIN7043542
anti-KCNH1 antibody (C-Term, Intracellular)[Go to Product page](#)

2 Images

Overview

Quantity:	25 µL
Target:	KCNH1
Binding Specificity:	AA 802-817, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: GDPAKRKGWARFKDAC, corresponding to amino acid residues 802-817 of rat KCNH1
Isotype:	IgG
Cross-Reactivity (Details):	The antibody is specific for KV10.1 and will not cross-react with KV10.2.
Characteristics:	Anti-KCNH1 (EAG-1) Antibody is directed against an intracellular epitope of the rat KV10.1 channel. Anti-KCNH1 (EAG-1) Antibody (ABIN7043542, ABIN7044998 and ABIN7044999) can be used in western blot, immunoprecipitation, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize KV10.1 from rat, human, and mouse samples. The antibody is specific for KV10.1 and will not cross-react with KV10.2.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: KCNH1

Alternative Name: KCNH1 (EAG-1) ([KCNH1 Products](#))

Background: Alternative names: KCNH1 (EAG-1), KV10.1, Ether-a-go-go potassium channel 1, hEAG1

Gene ID: 65198

NCBI Accession: [NM_002238](#)

UniProt: [Q63472](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.6 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

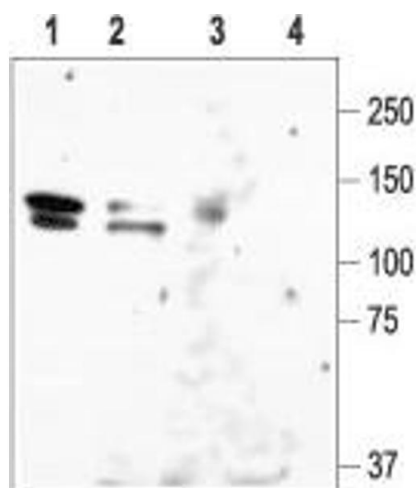
Preservative: Sodium azide

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

Storage: RT, 4 °C, -20 °C

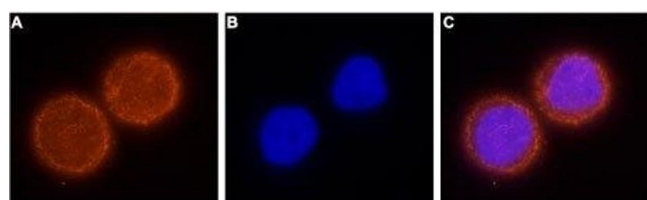
Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of rat brain lysate (lanes 1 and 3) and HEK-KCNH1 (lanes 2 and 4): - 1,2. Anti-KCNH1 (EAG-1) Antibody (ABIN7043542, ABIN7044998 and ABIN7044999), (1:200).3,4. Anti-KCNH1 (EAG-1) Antibody, preincubated with KCNH1/EAG-1 Blocking Peptide (#BLP-PC104).



Immunocytochemistry

Image 2. Expression of EAG1 in human MDA-468 mammary gland adenocarcinoma cells. - Immunocytochemical staining of human MDA-468 mammary gland adenocarcinoma cells. A. Cells were stained with Anti-KCNH1 (EAG-1) Antibody (ABIN7043542, ABIN7044998 and ABIN7044999), (1:200) followed by goat anti-rabbit-AlexaFluor-555 secondary antibody (red). B. Nuclei were visualized with the cell-permeable dye Hoechst 33342 (blue). C. Merged image of panels A and B.