

Datasheet for ABIN7043547
anti-KCNH4 antibody (C-Term, Intracellular)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	KCNH4
Binding Specificity:	AA 881-895, C-Term, Intracellular
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CRLNQEISRLNQEVS, corresponding to amino acids 881-895 of rat KCNH4
Isotype:	IgG
Characteristics:	Anti-Kv12.3 (KCNH4) Antibody is directed against an epitope located at the intracellular C-terminal end of the rat KV12.3. Anti-KV12.3 (KCNH4) Antibody (ABIN7043547 and ABIN7045013)) can be used in western blot and immunohistochemical applications, and recognizes KV12.3 from rat and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

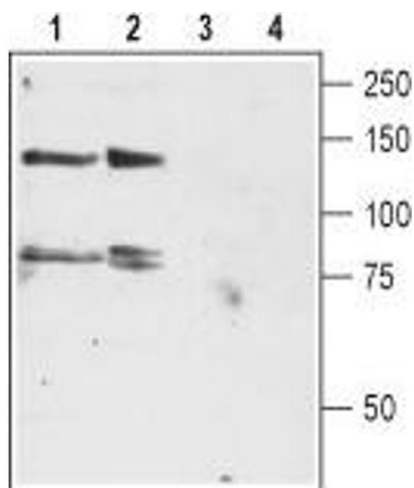
Target:	KCNH4
Alternative Name:	KV12.3 (KCNH4) (KCNH4 Products)
Background:	Alternative names: KV12.3 (KCNH4), Potassium voltage-gated channel subfamily H member 4, Ether-a-go-go-like potassium channel 1, ELK channel 1, rElk1, Elk3, Brain-specific eag-like channel 2, BEC2
Gene ID:	114032
NCBI Accession:	NM_012285
UniProt:	Q9R1T9

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

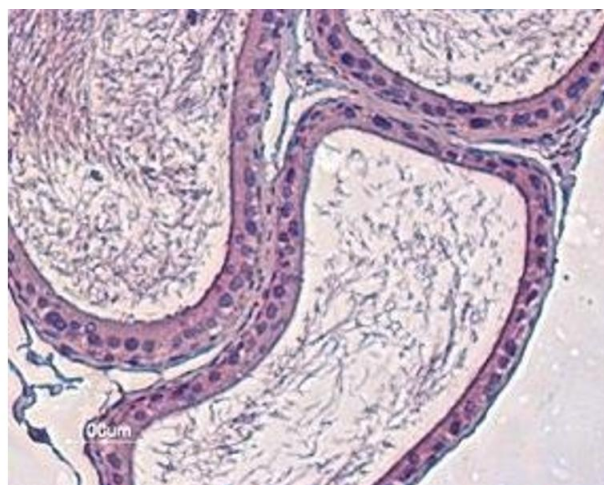
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1 and 3) and cerebellum (lanes 2 and 4) lysates: - 1,2. Anti-KV12.3 (KCNH4) Antibody (ABIN7043547 and ABIN7045013), (1:200).3,4. Anti-KV12.3 (KCNH4) Antibody, preincubated with Kv12.3/KCNH4 Blocking Peptide (#BLP-PC116).



Immunohistochemistry

Image 2. Expression of KV12.3 (Elk3) in rat testes - Immunohistochemical staining of rat testes paraffin embedded section using Anti-KV12.3 (KCNH4) Antibody (ABIN7043547 and ABIN7045013), (1:100).KV12.3 (pink staining) is expressed in the columnar epithelium of the epididymus. Hematoxylin is used as the counterstain.