

Datasheet for ABIN7043550
anti-KCNH7 antibody (C-Term, Intracellular)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	KCNH7
Binding Specificity:	AA 1108-1123, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CPEFLDLEKSKLKSKE, corresponding to amino acid residues 1108-1123 of rat KV11.3 (erg3)
Isotype:	IgG
Characteristics:	Anti-KCNH7 (erg3) Antibody (ABIN7043550 and ABIN7045010)) is directed against a highly conserved epitope of the rat KV11.3 channel. The antibody will also react with human and mouse samples. The antibody can be used in western blot, immunohistochemistry and immunocytochemistry applications.
Purification:	Affinity purified on immobilized antigen.

Target Details

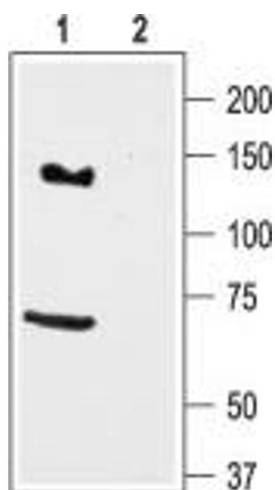
Target:	KCNH7
Alternative Name:	KCNH7 (erg3) (KCNH7 Products)
Background:	Alternative names: KCNH7 (erg3), KV11.3, Potassium voltage-gated channel subfamily H member 7, Ether-a-go-go-related channel 3, Eag-related protein 3, ERG-3, hERG3
Gene ID:	170739
NCBI Accession:	NM_033272
UniProt:	O54852

Application Details

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

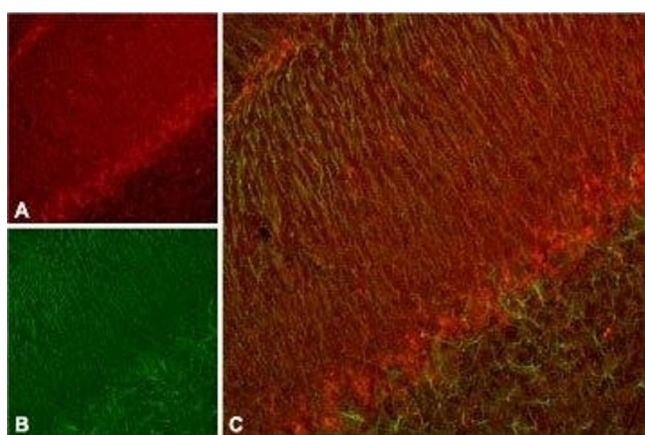
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.6 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:	<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 lysate: - 1. Anti-KCNH7 (erg3) Antibody (ABIN7043550 and ABIN7045010), (1:300). 2. Anti-KCNH7 (erg3) Antibody, preincubated with KCNH7/erg3 Blocking Peptide (#BLP-PC112).



Immunohistochemistry

Image 2. Expression of KV11.3 (erg3) in rat cerebellum - Immunohistochemical staining of rat cerebellum using Anti-KCNH7 (erg3) Antibody (ABIN7043550 and ABIN7045010). A. KV11.3 channel appears in glial processes (red). B. Staining of astrocytic fibers with mouse anti-glial fibrillary acidic protein (GFAP, green). C. Confocal merge of KV11.3 channel and GFAP demonstrates colocalization in the molecular layer but separate localization of these proteins at the Purkinje cell layer.