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Datasheet for ABIN7269479  
**anti-KCNQ5 antibody (AA 624-923)**

1 Image

Overview

Quantity:	100 µL
Target:	KCNQ5
Binding Specificity:	AA 624-923
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	KCNQ5 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 624-923 of human KCNQ5 (NP_001153602.1).
Sequence:	KGSASALALA SFQIPPFECE QTSDYQSPVD SKDLSGSAQN SGCLSRSTSA NISRGLQFIL TPNEFSAQTF YALSPTMHSQ ATQVPISQSD GSAVAATNTI ANQINTAPKP AAP TTLQIPP PLPAIKHLPR PETLHPNPAG LQESISDVTT CLVASKENVQ VAQSNLTKDR SMRKSFDMSG ETLLSVCMPV PKDLGKLSLV QNLIRSTEEL NIQLSGSESS GSRGSQDFYP KWRESKLFIT DEEVGPEETE TDTFDAAPQP AREAASFASDS LRTGRSRSSQ SICKAGESTD ALSLPHVKLK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Product Details

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Purification: Affinity purification

## Target Details

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Target: KCNQ5

Alternative Name: KCNQ5 ([KCNQ5 Products](#))

Background: This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. The protein encoded by this gene yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the KCNQ3 gene. Currents expressed from this protein have voltage dependences and inhibitor sensitivities in common with M-currents. They are also inhibited by M1 muscarinic receptor activation. Multiple transcript variants encoding different isoforms have been found for this gene.,KCNQ5,Kv7.5,Neuroscience,KCNQ5

Molecular Weight: 46kDa/89kDa/101kDa/102kDa/103kDa/104kDa

Gene ID: 56479

UniProt: [Q9NR82](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

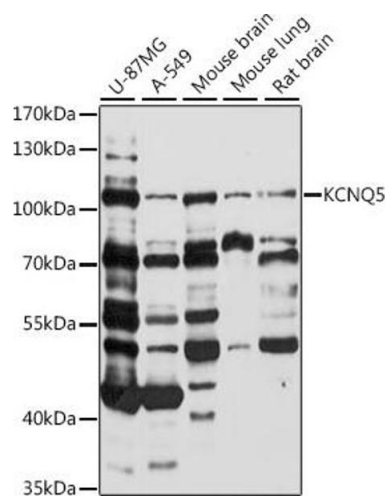
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using KCNQ5 antibody (ABIN7269479) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.