

Datasheet for ABIN633754 **anti-KCNQ2 antibody (N-Term)**



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1 Image

Overview

Quantity:	100 µL
Target:	KCNQ2
Binding Specificity:	N-Term
Reactivity:	Rat, Human, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KCNQ2 antibody was raised using the N terminal of KCNQ2 corresponding to a region with amino acids YRGWRGRLKFARKPFCVIDIMVLIASIAVLAAGSQGNVFATSALRSLRFL
Specificity:	KCNQ2 antibody was raised against the N terminal of KCNQ2
Purification:	Affinity purified

Target Details

Target:	KCNQ2
Alternative Name:	KCNQ2 (KCNQ2 Products)
Background:	The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by KCNQ2 and a related protein encoded by the KCNQ3 gene, both integral

Target Details

membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug. Defects in KCNQ2 are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1).

Molecular Weight: 93 kDa (MW of target protein)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: KCNQ2 Blocking Peptide, catalog no. 33R-10224, is also available for use as a blocking control in assays to test for specificity of this KCNQ2 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of KCNQ2 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. KCNQ2 antibody used at 1 ug/ml to detect target protein.