

Datasheet for ABIN633754

anti-KCNQ2 antibody (N-Term)





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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).
93 kDa (MW of target protein)

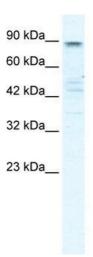
Application Details

Molecular Weight:

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.