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Datasheet for ABIN6142772 anti-KCNQ2 antibody (AA 254-393)

Image



Overview

Quantity:	100 μL
Target:	KCNQ2
Binding Specificity:	AA 254-393
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ2 antibody is un-conjugated
Application:	Western Blotting (WB)

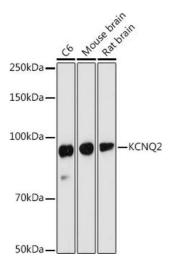
Product Details

Target:	KCNQ2
Target Details	
Characteristics:	Polyclonal Antibodies
Cross-Reactivity:	Human, Mouse, Rat
Isotype:	lgG
Sequence:	EKGENDHFDT YADALWWGLI TLTTIGYGDK YPQTWNGRLL AATFTLIGVS FFALPAGILG SGFALKVQEQ HRQKHFEKRR NPAAGLIQSA WRFYATNLSR TDLHSTWQYY ERTVTVPMYR YRRAPATKQ LFHFLFSICS
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 254-393 of human KCNQ2 (NP_742107.1).

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Target Details		
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 this gene and a related protein encoded by the KCNQ3 gene, both integral membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug. Defects in this gene are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1). At least five transcript variants encoding five different isoforms have been found for this gene.,KCNQ2,BFNC,EBN,EBN1,ENB1,HNSPC,KCNA11,KV7.2,Neuroscience,Neurodegenerative Diseases,KCNQ2	
Molecular Weight:	44 kDa/92 kDa/93 kDa/94 kDa/95 kDa	
Gene ID:	3785	
UniProt:	043526	
Application Details		
Application Notes:	WB,1:500 - 1:2000	
Restrictions:	For Research Use only	
Handling		
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.	

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Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using KCNQ2 antibody (ABIN6130651, ABIN6142772, ABIN6142773 and ABIN6219057) 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: 90s.

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