

## KCNQ2/3/4/5 (phospho Thr217/246/223/251) rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A16654	Rabbit	1 mg/ml	96742
<b>Applications</b>	WB,IHC,ELISA		
<b>Reactivity</b>	Human,Mouse,Rat		
<b>Dilution</b>	IHC: 1:100 - 1:300. ELISA: 1:20000. Not yet tested in other applications.		
<b>Storage</b>	-20°C/1 year		
<b>Specificity</b>	Phospho-KCNQ2/3/4/5 (T217/246/223/251) Polyclonal Antibody detects endogenous levels of KCNQ2/3/4/5 protein only when phosphorylated at T217/246/223/251.		
<b>Source / Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.		
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Kv7.3/KCNQ3 around the phosphorylation site of Thr246. AA range:191-240		
<b>Uniprot No</b>	O43526/O43525/P56696/Q9NR82		
<b>Alternative names</b>	KCNQ2; Potassium voltage-gated channel subfamily KQT member 2; KQT-like 2; Neuroblastoma-specific potassium channel subunit alpha KvLQT2; Voltage-gated potassium channel subunit Kv7.2; KCNQ3; Potassium voltage-gated channel subfamily KQT me		
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.		
<b>Clonality</b>	Polyclonal		
<b>Isotype</b>	IgG		
<b>Conjugation</b>			
<b>Background</b>	potassium voltage-gated channel subfamily Q member 2(KCNQ2) Homo sapiens 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. [provided by RefSeq, Jul 2008],		
<b>Other</b>	KCNQ2, Potassium voltage-gated channel subfamily KQT member 2		

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**Product Images:****Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation

IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster

X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All

Species Expected

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