

Product datasheet for **AP52317PU-N**

KCNQ3 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 650-679 amino acids from the C-terminal region of human KCNQ3
Specificity:	This antibody recognizes Human and Mouse KCNQ3 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel subfamily Q member 3
Database Link:	Entrez Gene 110862 Mouse Entrez Gene 3786 Human O43525



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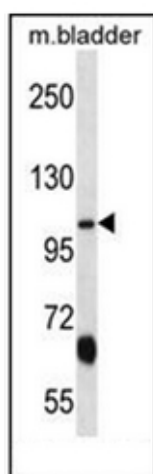
Background: The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by this gene and one of two related proteins encoded by the KCNQ2 and KCNQ5 genes, 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 2 (BFNC2), also known as epilepsy, benign neonatal type 2 (EBN2).

Synonyms: Potassium voltage-gated channel subfamily KQT member 3, Voltage-gated potassium channel subunit Kv7.3, Potassium channel subunit alpha KvLQT3, KQT-like 3

Note: **Molecular Weight:** 96742 Da

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:



Western blot analysis of KCNQ3 Antibody (C-term) in mouse bladder tissue lysates (35ug/lane). This demonstrates the KCNQ3 antibody detected the KCNQ3 protein (arrow).