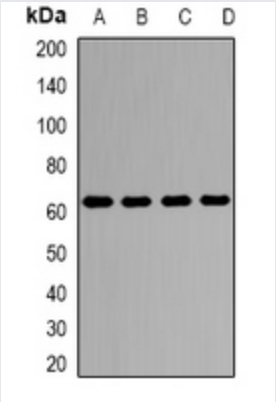
KV9.3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Kv9.3, Polyclonal Antibody
Full Product Name	Rabbit anti-Kv9.3 Antibody
Product Gene Name	anti-Kv9.3 antibody
Product Synonym Names	Potassium voltage-gated channel subfamily S member 3; Delayed-rectifier K(+) channel alpha subunit 3; Voltage-gated potassium channel subunit Kv9.3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	56,001 Da
OMIM	AF043472 mRNA
3D Structure	ModBase 3D Structure for Q9BQ31
Immunogen	Recombinant full length protein of human Kv9.3
Product Categories/Family for anti-Kv9.3 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-Kv9.3 antibody	Western Blot (WB)
Application Notes for anti-Kv9.3 antibody	WB: 1:500-1:2000
Related Product Information for anti-Kv9.3 antibody	MBS4507759 is an antibody targeting Kv9.3. Also known as Rabbit anti-Kv9.3 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-Kv9.3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-Kv9.3 antibody
Western blot analysis of Kv9.3 expression in A549 (A), HT29 (B), mouse brain (C), rat brain (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Kv9.3. It may not necessarily be applicable to this product.

NCBI GI #	539846921
NCBI GeneID	3790
NCBI Accession #	NP_001269357.1
UniProt Primary Accession #	Q9BQ31
UniProt Secondary Accession #	Q8BQZ8; O88759
UniProt Related Accession #	Q9BQ31
GenBank Nucleotide #	NM_001282428.1
NCBI Official Full Name	potassium voltage-gated channel subfamily S member 3
NCBI Official Synonym Full Names	potassium voltage-gated channel modifier subfamily S member 3
NCBI Official Symbol	KCNS3
NCBI Official Synonym Symbols	KV9.3
UniProt Protein Name	Potassium voltage-gated channel subfamily S member 3
UniProt Synonym Protein Names	Delayed-rectifier K(+) channel alpha subunit 3; Voltage-gated potassium channel subunit Kv9.3
Protein Family	Potassium voltage-gated channel subfamily
UniProt Gene Name	KCNS3
NCBI Protein Information	potassium voltage-gated channel subfamily S member 3
NCBI Summary for Kv9.3	Voltage-gated potassium channels form the largest and most diversified class of ion channels and are present in both excitable and nonexcitable cells. Their main functions are associated with the regulation of the resting membrane potential and the control of the shape and frequency of action potentials. The alpha subunits are of 2 types: those that are functional by themselves and those that are electrically silent but capable of modulating the activity of specific functional alpha subunits. The protein encoded by this gene is not functional by itself but can form heteromultimers with member 1 and with member 2 (and possibly other members) of the Shab-related subfamily of potassium voltage-gated channel proteins. This gene belongs to the S subfamily of the potassium channel family. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2013]

UniProt Comments for Kv9.3	Kv9.3: Potassium channel subunit. Modulates channel activity and reduces the ion flow. Belongs to the potassium channel family. S (TC 1.A.1.2) subfamily. Kv9.3/KCNS3 sub-subfamily. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 2p24.2 Cellular Component: cytosol; Golgi apparatus; integral component of membrane; plasma membrane; voltage-gated potassium channel complex Molecular Function: delayed rectifier potassium channel activity; potassium channel regulator activity Biological Process: potassium ion transport; protein homooligomerization; regulation of insulin secretion; regulation of molecular function
Research Articles on Kv9.3	**1.** By in situ hybridization, KCNS3 mRNA levels were 23% lower in schizophrenia subjects than in controls. At the cellular level, both KCNS3 mRNA-expressing neuron density and KCNS3 mRNA level per neuron were significantly lower.
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