

Rabbit KCNQ2 Polyclonal Antibody | anti-KCNQ2 antibody

KCNQ2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268845	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

KCNQ2; Polyclonal Antibody; KCNQ2 Polyclonal Antibody; anti-KCNQ2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KCNQ2 Polyclonal Antibody detects endogenous levels of KCNQ2 protein
Purity/Purification	Affinity Purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Sequence Length	872
Applicable Applications for anti-KCNQ2 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human KCNQ2 (NP_742107.1).
Conjugation	APC
Cellular Localization	Cell membrane ; Multi-pass membrane protein .
Tissue specificity	In adult and fetal brain. Highly expressed in areas containing neuronal cell bodies, low in spinal cord and corpus callosum. Isoform 2 is preferentially expressed in differentiated neurons. Isoform 6 is prominent in fetal brain, undifferentiated neuroblastoma cells and brain tumors.
Function	Alternative products:Additional isoforms seem to exist,Disease:Defects in KCNQ2 are the cause of benign neonatal epilepsy type 1 (EBN1) [MIM:121200]. Benign neonatal epilepsy is characterized by clusters of seizures occurring in the first days of life. Most patients have spontaneous remission by 12 months of age and show normal psychomotor development.The disorder is distinguished from benign familial infantile seizures by an earlier age at onset.,Disease:Defects in KCNQ2 are the cause of benign neonatal epilepsy with myokymia (EBNMK) [MIM:606437]. EBNMK is a syndrome characterized by benign neonatal convulsions followed later in life by myokymia.,Disease:Defects in KCNQ2 are the cause of myokymia isolated type 2 (MK2) [MIM:606437].
Preparation and Storage	Store at -15°C to -25°C/1 year

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using KCNQ2
Antibody. The picture on the right is blocked with the synthesized peptide

NCBI AND UNIPROT INFORMATION

NCBI GI #	14285389
NCBI GeneID	3785
UniProt Accession #	O43526
Molecular Weight	44kDa; 92kDa; 93kDa; 94kDa; 95kDa
NCBI Official Full Name	Potassium voltage-gated channel subfamily KQT member 2
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily Q member 2
NCBI Official Symbol	KCNQ2
NCBI Official Synonym Symbols	EBN; BFNC; EBN1; ENB1; HNSPC; KV7.2; KCNA11
NCBI Protein Information	potassium voltage-gated channel subfamily KQT member 2
UniProt Protein Name	Potassium voltage-gated channel subfamily KQT member 2
UniProt Gene Name	KCNQ2
UniProt Entry Name	KCNQ2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcnq2-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/268845>