KCNB1 Antibody

Catalog No: #47496

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Description

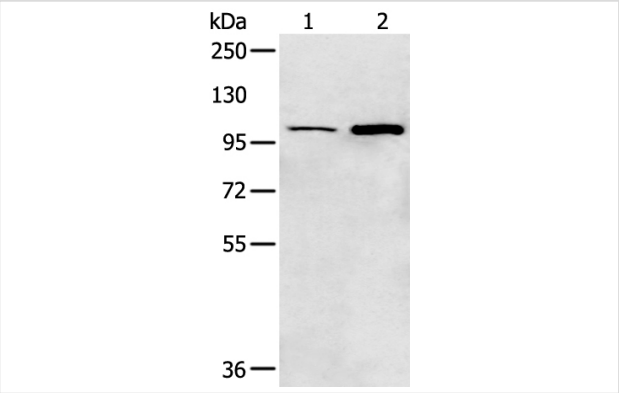
Product Name	KCNB1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Specificity	The antibody detects endogenous levels of total KCNB1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide of human KCNB1
Target Name	KCNB1
Other Names	DRK1; Kv2.1
Accession No.	Swiss-Prot#:Q14721NCBI Gene ID:3745Gene Accssion:NP_004966
Uniprot	Q14721
GeneID	3745;
Calculated MW	96 kDa
Concentration	0.3
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

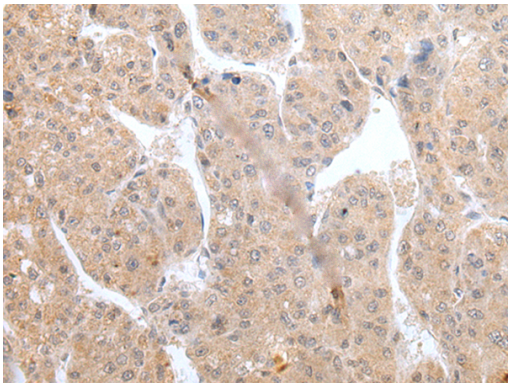
WB dilution:1:200-1000

IHC dilution:1: 25-100

Images



Gel: 6%SDS-PAGE, Lysate: 40 µg, Lane 1-2: K562 cell and Human cerebrum tissue lysates, Primary antibody:47496(KCNB1 Antibody) at dilution 1/200 dilution, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 3 minutes



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 47496(KCNB1 Antibody) at dilution 1/20.(Original magnification: 200)

Background

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shab-related subfamily. This member is a delayed rectifier potassium channel and its activity is modulated by some other family members.

Note: This product is for in vitro research use only