



KCNH1 rabbit pAb

Cat No.:ES2669

For research use only

Overview

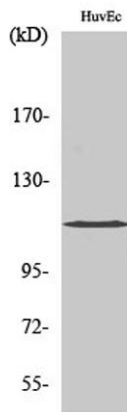
Product Name	KCNH1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA;IHC
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNH1. AA range:720-769
Specificity	KCNH1 Polyclonal Antibody detects endogenous levels of KCNH1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Potassium voltage-gated channel subfamily H member 1
Gene Name	KCNH1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Nucleus inner membrane ; Multi-pass membrane protein . Cell projection, dendrite . Cell projection, axon . Cell junction, synapse, presynaptic cell membrane . Perikaryon . Cell junction, synapse, postsynaptic density membrane . Early endosome membrane . Perinuclear KCNH1 is located to NPC-free islands.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	110kD
Human Gene ID	3756
Human Swiss-Prot Number	O95259
Alternative Names	KCNH1; EAG; EAG1; Potassium voltage-gated





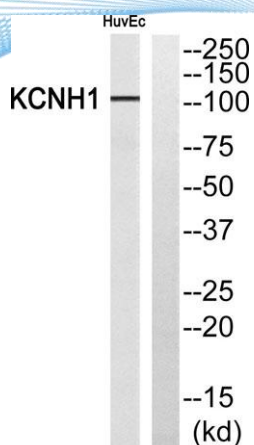
Background

channel subfamily H member 1; Ether-a-go-go potassium channel 1; EAG channel 1; h-eag; hEAG1; Voltage-gated potassium channel subunit Kv10.1
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. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit of a voltage-gated non-inactivating delayed rectifier potassium channel. It is activated at the onset of myoblast differentiation. The gene is highly expressed in brain and in myoblasts. Overexpression of the gene may confer a growth advantage to cancer cells and favor tumor cell proliferation. Alternative splicing of this gene results in two transcript variants encoding distinct isoforms. [provided]

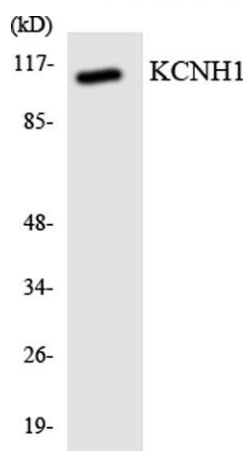


Western Blot analysis of various cells using KCNH1
Polyclonal Antibody diluted at 1:2000

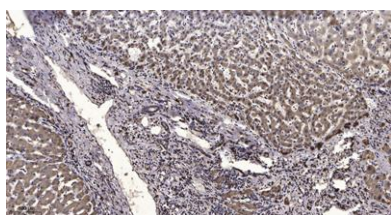




Western blot analysis of KCNH1 Antibody. The lane on the right is blocked with the KCNH1 peptide.



Western blot analysis of the lysates from COLO205 cells using KCNH1 antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

