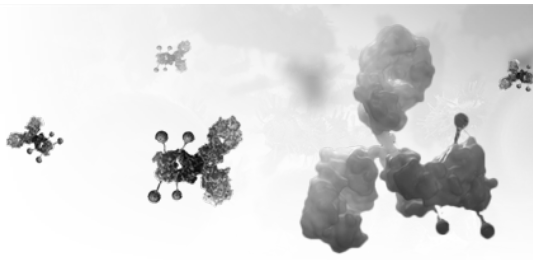

Anti-KCNH1 (aa 890-988) polyclonal antibody (DPAB-DC1769)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	KCNH1 (NP_758872, 890 a.a. ~ 988 a.a) partial recombinant protein with GST tag. The sequence is RLDNVGEARSPQDRSPILAEVKHSFYPIPEQTLQATVLEVRHELKEDIKALNAKMTNIEK QLSEILRILTSRRSSQSPQELFEISRPQSPESERDIFGA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	KCNH1 potassium voltage-gated channel, subfamily H (eag-related), member 1 [Homo sapiens (human)]
Official Symbol	KCNH1
Synonyms	KCNH1; potassium voltage-gated channel, subfamily H (eag-related), member 1; EAG; EAG1; h-eag; Kv10.1; potassium voltage-gated channel subfamily H member 1; hEAG1; EAG channel 1; ether-a-go-go potassium channel 1; ether-a-go-go, Drosophila, homolog of; voltage-gated potassium channel subunit Kv10.1;
Entrez Gene ID	3756
Protein Refseq	NP_002229
UniProt ID	O95259
Chromosome Location	1q32.2
Pathway	Neuronal System; Voltage gated Potassium channels;
Function	calmodulin binding; delayed rectifier potassium channel activity; phosphorelay sensor kinase activity; protein binding

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