KCNH1 Antibody

Catalog No: #43927

Orders: order@signalwayantibody.com
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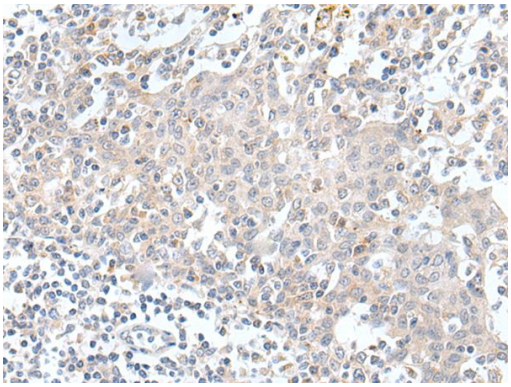
Description

Product Name	KCNH1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total KCNH1 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human KCNH1
Target Name	KCNH1
Other Names	EAG; EAG1; TMBTS; h-eag; Kv10.1
Accession No.	Swiss-Prot#: O95259NCBI Gene ID: 3756
Uniprot	O95259
GeneID	3756;
Concentration	0.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

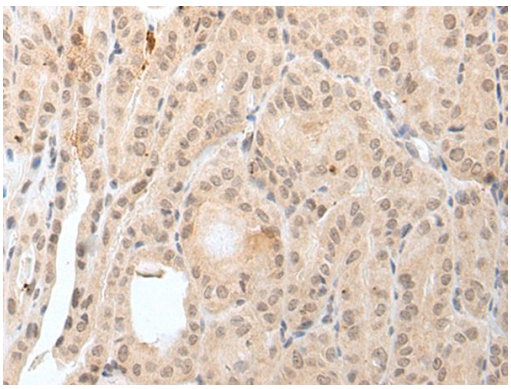
Application Details

Immunohistochemistry: 1: 20-100

Images



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using KCNH1 Antibody at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using KCNH1 Antibody at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x200)

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. 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.

Note: This product is for in vitro research use only