Product Datasheet

KCNH2 antibody

Catalog No: #38514

Package Size: #38514-1 50ul #38514-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

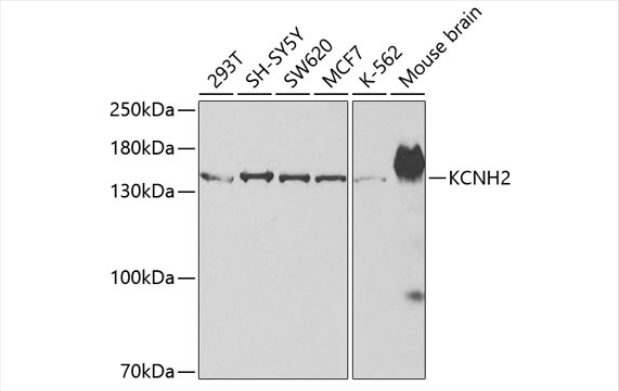
Description

Product Name	KCNH2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total KCNH2 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human KCNH2.
Target Name	KCNH2
Other Names	ERG1; HERG; LQT2; SQT1; HERG1; Kv11.1
Accession No.	Swiss-Prot#: Q12809NCBI Gene ID: 3757
SDS-PAGE MW	90kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

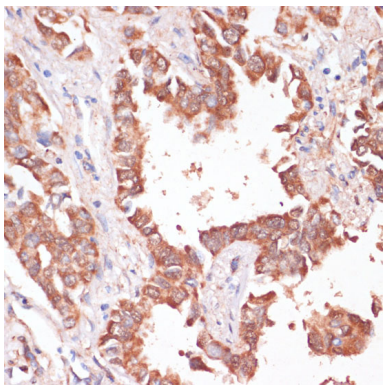
Application Details

Western blotting: 1:500 - 1:2000

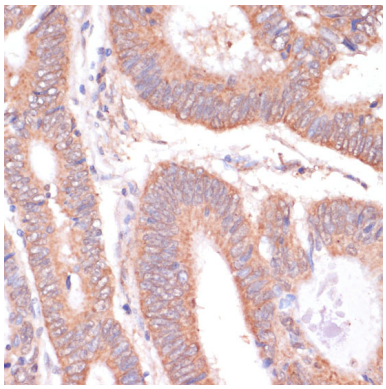
Images



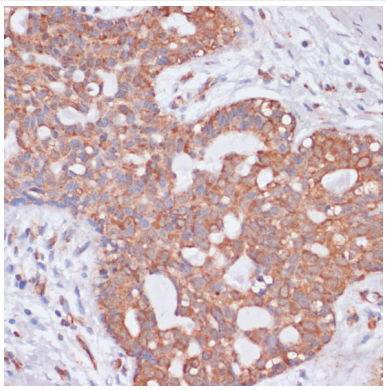
Western blot analysis of extracts of various cell lines, using KCNH2 antibody at 1:500 dilution.



Immunohistochemistry of paraffin-embedded human lung cancer using KCNH2 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using KCNH2 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human breast cancer using KCNH2 antibody at dilution of 1:100 (40x lens).

Background

This gene encodes a voltage-activated potassium channel belonging to the eag family. It shares sequence similarity with the Drosophila ether-a-go-go (eag) gene. Mutations in this gene can cause long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been identified. Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Channel properties are modulated by cAMP and subunit assembly. Mediates the rapidly activating component of the delayed rectifying potassium current in heart (IKr). Isoform 3 has no channel activity by itself, but modulates channel characteristics when associated with isoform 1.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.