

KCNH2 Antibody

CAB2968

Description

This KCNH2 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB2968
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	ERG1, HERG, LQT2, SQT1, ERG-1, H-ERG, HERG1, Kv11.1, KCNH2
Clone:	-
Applications:	WB IHC-P ELISA IF-P
Conjugation:	Unconjugated
Reactivity:	Human, Mouse

Antibody Data

Gene ID:	3757
Uniprot:	AB_2764781
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	148kDa
Calculated MW:	127kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

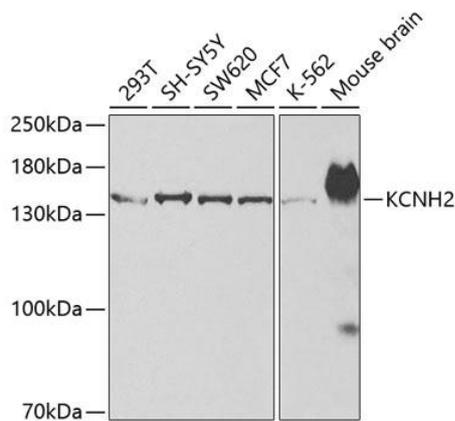
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: 293T, SH-SY5Y, SW620, MCF7, K-562, Mouse brain

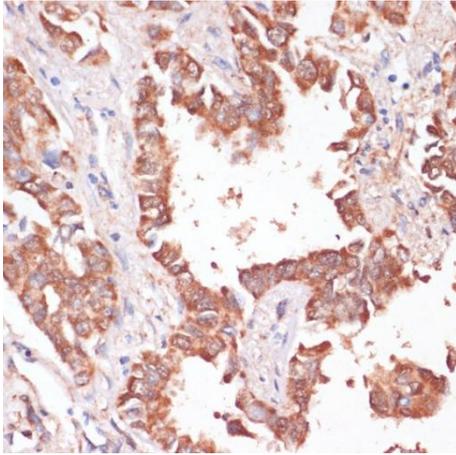
Recommended Dilutions:	WB	1:500 - 1:2000
	IF-P	1:50 - 1:200
	IHC-P	1:50 - 1:200
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

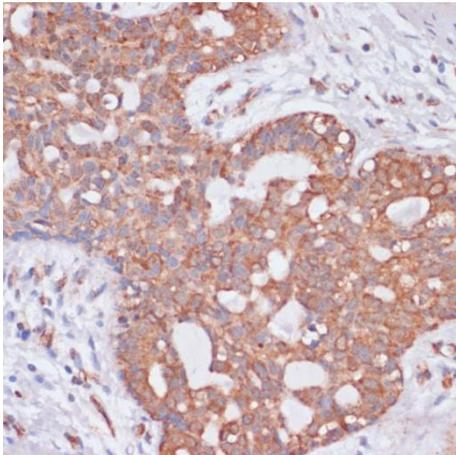
Validation Data



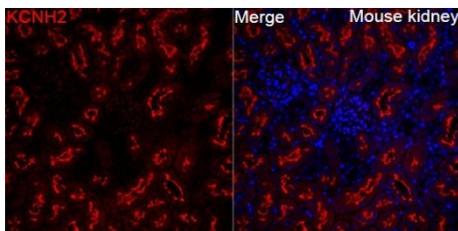
Western blot analysis of various lysates using KCNH2 Rabbit pAb (CAB2968) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using KCNH2 Rabbit pAb (CAB2968) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using KCNH2 Rabbit pAb (CAB2968) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of Mouse kidney tissue using KCNH2 Rabbit pAb (CAB2968) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.