

Kv10.2 Polyclonal Antibody

Catalog # AP63705

Product Information

Application	WB, IHC-P
Primary Accession	Q8NCM2
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	111877

Additional Information

Gene ID	27133
Other Names	Potassium voltage-gated channel subfamily H member 5 (Ether-a-go-go potassium channel 2) (hEAG2) (Voltage-gated potassium channel subunit Kv10.2)
Dilution	WB~~WB 1:1000-2000, IHC 1:100-200 IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	KCNH5 (HGNC:6254)
Function	<p>Pore-forming (alpha) subunit of a voltage-gated delayed rectifier potassium channel that mediates outward-rectifying potassium currents which, on depolarization, reaches a steady-state level and do not inactivate (PubMed:11943152, PubMed:12135768, PubMed:24133262, PubMed:36928654). The kinetic is characterized by a slow activation time course and a small voltage dependence of the activation time constants, therefore, starts to open at more negative voltages (PubMed:11943152, PubMed:12135768). The activation kinetics depend on the prepulse potential and external divalent cation concentration (PubMed:11943152, PubMed:24133262). The time course of activation is biphasic with a fast and a slowly activating current component (PubMed:11943152, PubMed:12135768, PubMed:36928654). With negative prepulses, the current activation is delayed and slowed down several fold, whereas more positive prepulses speed up activation, therefore the activation rate depends on holding potential (PubMed:11943152, PubMed:12135768, PubMed:36928654).</p>
Cellular Location	Membrane; Multi-pass membrane protein.

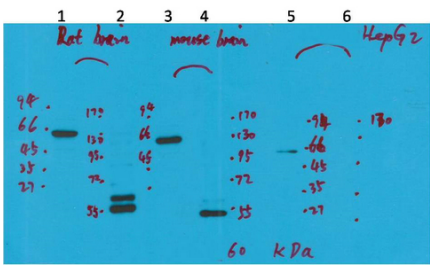
Tissue Location

Detected in brain, skeletal muscle, heart, placenta, lung and liver, and at low levels in kidney

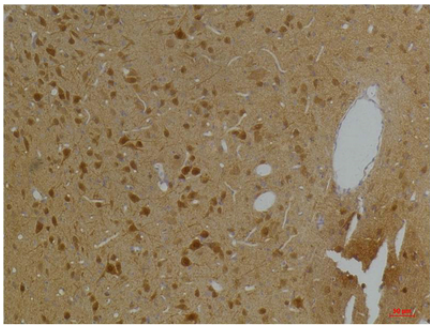
Background

Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a non-inactivating outward rectifying current. Channel properties may be modulated by cAMP and subunit assembly.

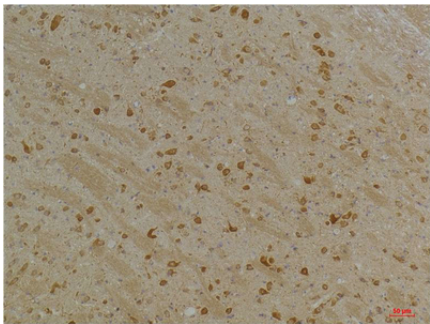
Images



Western blot analysis of 1) Rat Brain Tissue-Low Molecular Protein Marker, 2)Rat Brain Tissue-High Molecular Protein Marker, 3) Mouse Brain Tissue-Low Molecular Protein Marker, 4) Mouse Brain Tissue- High Molecular Protein Marker, 5) HepG2-Low Molecular P



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using Kv10.2 Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using Kv10.2 Rabbit pAb diluted at 1:200.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.