

HCN3 antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI10817

Product Information

Application WB Primary Accession Q9P1Z3

Other Accession NM 020897, NP 065948

Reactivity Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine

Predicted Human, Mouse, Rat, Rabbit, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 86032

Additional Information

Gene ID 57657

Alias Symbol KIAA1535, MGC131493

Other Names Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated

channel 3, HCN3, KIAA1535

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 50 ul of distilled water. Final anti-HCN3 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

Precautions HCN3 antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name HCN3

Synonyms KIAA1535

Function Hyperpolarization-activated ion channel that are permeable to sodium and

potassium ions, with an about 3:1 preference for potassium ions

(PubMed: 16043489). Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). In particular, plays a pivotal role in maintaining excitability and promoting rhythmic burst firing within hypothalamic nuclei. Exerts a significant influence on the configuration of the cardiac action potential waveform. Does not appear to play a prominent role in the processing of acute, neuropathic, or inflammatory pain (By similarity).

Cellular Location Cell membrane; Multi-pass membrane protein

Tissue Location Detected in brain..

References

Gregory, S.G., (2006) Nature 441 (7091), 315-321 Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-HCN3 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:1562500

Positive Control: COLO205 cell lysate

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