

Anti-KCNT1 Antibody

Catalog # AP60978

Product Information

Application	WB, IHC
Primary Accession	Q5JUK3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138343

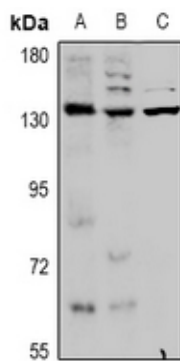
Additional Information

Gene ID	57582
Other Names	KIAA1422; Potassium channel subfamily T member 1; KCa4.1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human KCNT1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

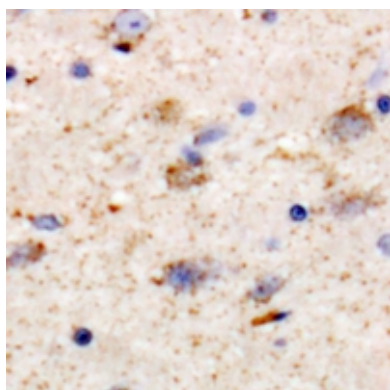
Protein Information

Name	KCNT1 (HGNC:18865)
Function	Sodium-activated K(+) channel (PubMed: 37494189). Acts as an important mediator of neuronal membrane excitability (PubMed: 37494189). Contributes to the delayed outward currents (By similarity). Regulates neuronal bursting in sensory neurons (By similarity). Contributes to synaptic development and plasticity (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q9Z258}; Multi-pass membrane protein
Tissue Location	Highest expression in liver, brain and spinal cord. Lowest expression in skeletal muscle.

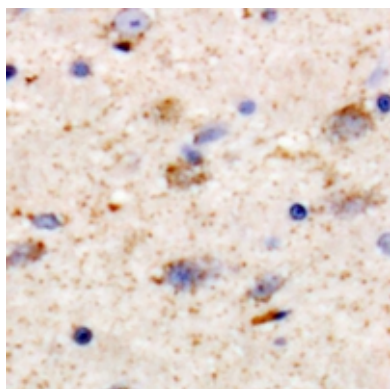
Images



Western blot analysis of KCNT1 expression in HepG2 (A), AML12 (B), C6 (C) whole cell lysates. (Predicted band size: 138 kD; Observed band size: 138; 142 kD)



Immunohistochemical analysis of KCNT1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of KCNT1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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