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KCNT2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10351b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q6UVM3
Other Accession	NP_940905.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27952
Calculated MW	130501
Antigen Region	1069-1097

Additional Information

Gene ID	343450
Other Names	Potassium channel subfamily T member 2, Sequence like an intermediate conductance potassium channel subunit, Sodium and chloride-activated ATP-sensitive potassium channel Slo21, KCNT2, SLICK
Target/Specificity	This KCNT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1069-1097 amino acids from the C-terminal region of human KCNT2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	KCNT2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

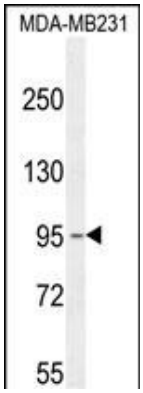
Name	KCNT2

Synonyms	SLICK {ECO:0000303|PubMed:14684870}, Slo
Function	Sodium-activated and chloride-activated potassium channel (PubMed:14684870, PubMed:16687497, PubMed:25214519, PubMed:27682982, PubMed:29069600, PubMed:29740868). Produces rapidly activating outward rectifier K(+) currents (PubMed:14684870). Contributes to regulate neuronal excitability (PubMed:29069600).
Cellular Location	Cell membrane; Multi-pass membrane protein

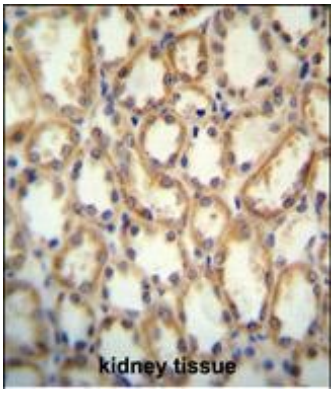
References

Santi, C.M., et al. J. Neurosci. 26(19):5059-5068(2006)
Wei, A.D., et al. Pharmacol. Rev. 57(4):463-472(2005)
Bhattacharjee, A., et al. J. Neurosci. 23(37):11681-11691(2003)

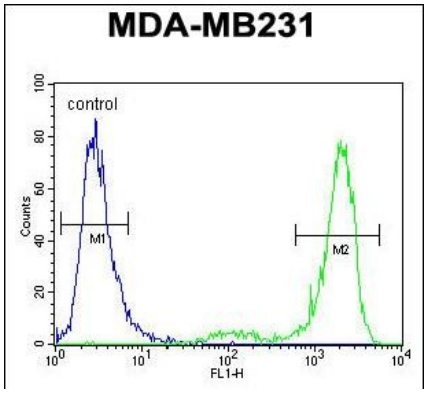
Images



KCNT2 Antibody (C-term) (Cat. #AP10351b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the KCNT2 antibody detected the KCNT2 protein (arrow).



KCNT2 antibody (C-term) (Cat. #AP10351b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KCNT2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



KCNT2 Antibody (C-term) (Cat. #AP10351b) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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