

KCTD1 Rabbit pAb

Catalog # AP96947

Product Information

Application	WB
Primary Accession	Q719H9
Other Accession	Q719H9
Reactivity	Mouse
Predicted	Rat, Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29405
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KCTD1
Epitope Specificity	201-257/257
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 BTB (POZ) domain.
Post-translational modifications	Sumoylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KCTD1 (potassium channel tetramerisation domain containing 1), also known as C18orf5, is a 257 amino acid protein that contains one BTB domain, suggesting an involvement in transcriptional control. The gene encoding KCTD1 maps to human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

Additional Information

Gene ID	284252
Other Names	C18orf5; KCTD1_HUMAN; KCTD1; Potassium channel tetramerization domain-containing protein 1; potassium channel tetramerization domain containing 1; potassium channel tetramerisation domain containing 1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KCTD1 (HGNC:18249)
Synonyms	C18orf5
Function	Is a regulator of different signaling pathways. Up-regulates ADCY5 thereby enhancing cAMP signaling, and is involved in the negative regulation of Wnt canonical, Hh and Notch signaling (PubMed: 41086914). Is a repressor of transcriptional activation mediated by AP-2 family members, including TFAP2A, TFAP2B and TFAP2C to various extent (PubMed: 18358072 , PubMed: 19115315 , PubMed: 33000225).
Cellular Location	Nucleus
Tissue Location	Expressed in mammary gland, kidney, brain and ovary.

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