10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KCTD17 Rabbit pAb

Catalog # AP98308

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N5Z5
Other Accession	Q8N5Z5
Reactivity	Rat, Mouse
Predicted	Pig, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34888
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KCTD17
Epitope Specificity	1-100/521
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KCTD16 (potassium channel tetramerisation domain containing 16), also known as BTB/POZ domain-containing protein KCTD16, is a 428 amino acid protein that contains one BTB (POZ) domain. An auxiliary subunit of GABAB R1 and GABAB R2, KCTD16 increases agonist potency and alters the G-protein signaling of the receptors by accelerating onset and promoting desensitization.

Additional Information

Gene ID	79734
Other Names	KCD17_HUMAN; KCTD17; potassium channel tetramerization domain containing 17; potassium channel tetramerisation domain containing 17
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	KCTD17 (HGNC:25705)

Function	Substrate-adapter for CUL3-RING ubiquitin ligase complexes which mediates the ubiquitination and subsequent proteasomal degradation of TCHP, a protein involved in ciliogenesis down- regulation. Thereby, positively regulates ciliogenesis, playing a crucial role in the initial steps of axoneme extension (PubMed:25270598). May also play a role in endoplasmic reticulum calcium ion homeostasis (PubMed:25983243).
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in brain. Highest expression is observed in the putamen and the thalamus

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