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

KCTD5 Rabbit pAb

KCTD5 Rabbit pAb
Catalog # AP59254

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NXV2
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26093
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KCTD5
Epitope Specificity	101-200/234
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytosol. Nucleus. Note=Predominantly cytoplasmic, translocated to the nucleus upon interaction with Rep proteins.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The BTB (Broad-Complex, Tramtrack and Bric a brac) domain, also known as the POZ (poxvirus and zinc finger) domain, is an N-terminal homodimerization domain that contains multiple copies of kelch repeats and/or C2H2-type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function. KCTD5 (potassium channel tetramerisation domain containing 5) is a 234 amino acid protein that localizes predominantly in the cytoplasm but translocates to the nucleus upon interaction with REP proteins. Existing as a homopentamer and consisting of one BTB (POZ) domain, KCTD5 associates with GRASP55, CUL-3 and ubiquitinated proteins. Interaction with CUL-3 suggests KCTD5 functions as a substrate adapter protein in some E3 ligase complexes.

Additional Information

Gene ID	54442
Other Names	BTB/POZ domain-containing protein KCTD5, KCTD5
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.

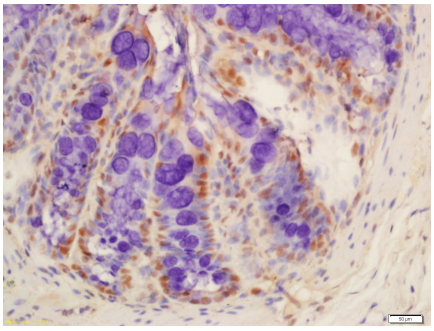
Protein Information

Name	KCTD5
Function	Its interaction with CUL3 suggests that it may act as a substrate adapter in some E3 ligase complex (PubMed:18573101). Does not affect the function of Kv channel Kv2.1/KCNB1, Kv1.2/KCNA2, Kv4.2/KCND2 and Kv3.4/KCNC4 (PubMed:19361449).
Cellular Location	Cytoplasm, cytosol. Cytoplasm. Nucleus. Note=Predominantly cytoplasmic, translocated to the nucleus upon interaction with Rep proteins.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Tissue/cell: Rat colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-KCTD5 Polyclonal Antibody, Unconjugated(AP59254) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining