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Rabbit Anti-KCTD12 antibody

SL8673R

Product Name:	KCTD12
Chinese Name:	钾离子通道多聚体结构域蛋白12抗体
Alias:	C13orf2; BTB/POZ domain-containing protein KCTD12; C13orf2; KCD12_HUMAN; KCTD12; KIAA1778; PFET1; Pfetin; potassium channel tetramerisation domain containing 12 USA; Predominantly fetal expressed T1 domain.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KCTD12:251-325/325
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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. KCTD12 (potassium channel tetramerisation

	domain containing 12), also known as PFET1 or PFETIN, is a 325 amino acid protein that is expressed in fetal organs, with highest levels in the cochlea and brain and extremely low levels in adult organs, such as brain and lung. KCTD12 is considered a prognostic biomarker of gastrointestinal stromal tumors. **Function:** Auxiliary subunit of GABA-B receptors that determine the pharmacology and kinetics of the receptor response. Increases agonist potency and markedly alter the G-protein signaling of the receptors by accelerating onset and promoting desensitization. **Subcellular Location:** Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse > postsynaptic cell membrane. **Tissue Specificity:** Present in a variety of fetal organs, with highest expression levels in the cochlea and brain and, in stark contrast, is detected only at extremely low levels in adult organs, such as brain and lung. **Post-translational modifications:** Phosphorylated upon DNA damage, probably by ATM or ATR. **SWISS:** Q96CX2 **Gene ID:** 115207 **Database links:** UniProtKB/Swiss-Prot: Q96CX2.1 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.