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KCTD12 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9273c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q96CX2
Other Accession	Q6WVG3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22804
Calculated MW	35701
Antigen Region	242-269

Additional Information

Gene ID	115207
Other Names	BTB/POZ domain-containing protein KCTD12, Pfetin, Predominantly fetal expressed T1 domain, KCTD12, C13orf2, KIAA1778, PFET1
Target/Specificity	This KCTD12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-269 amino acids from the Central region of human KCTD12.
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	KCTD12 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

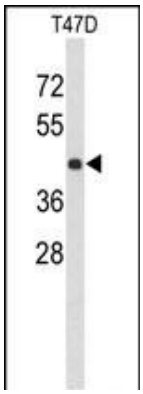
Name	KCTD12
Synonyms	C13orf2, KIAA1778, PFET1

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 (By similarity).
Cellular Location	Presynaptic cell membrane. Postsynaptic cell membrane
Tissue Location	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.

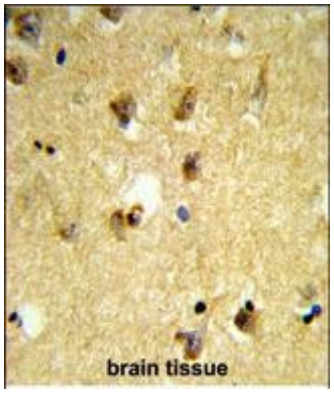
References

Drenos,F., et.al., Hum. Mol. Genet. 18 (12), 2305-2316 (2009) Suehara,Y., et.al., Clin. Cancer Res. 14 (6), 1707-1717 (2008) Cauchi,S., et.al., J. Mol. Med. 86 (3), 341-348 (2008)

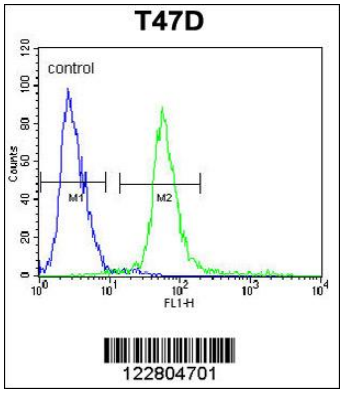
Images



Western blot analysis of KCTD12 Antibody (Center) (Cat. #AP9273c) in T47D cell line lysates (35ug/lane). KCTD12 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with KCTD12 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



KCTD12 Antibody (Center) (Cat. #AP9273c) flow cytometric analysis of T47D 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'.