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# KCTD12 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9273c

## Product Information

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

## Additional Information

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| **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

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| **Name** | KCTD12 |
| **Synonyms** | C13orf2, KIAA1778, PFET1 |

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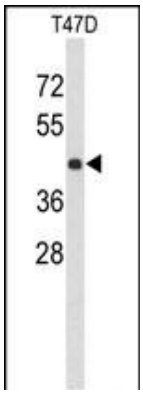
| **Function** | Auxiliary subunit of GABA-B receptors that determine the pharmacology and kinetics of the receptor response. Increases agonist potency and markedly alter the G-protein signaling of the receptors by accelerating onset and promoting desensitization (By similarity). |
| **Cellular Location** | 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. |

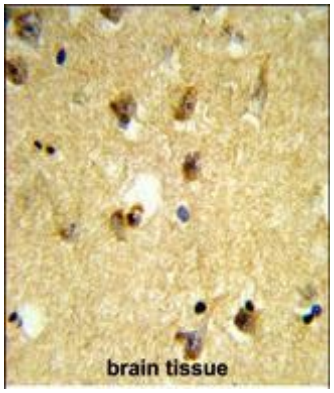
## References

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)

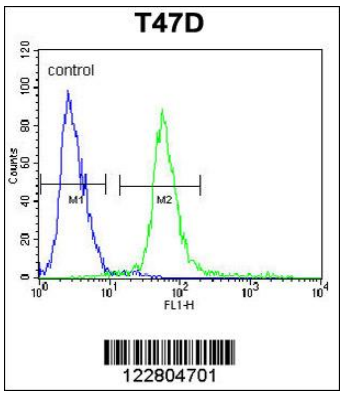
## Images




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.