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KCTD21 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5408b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q4G0X4
Other Accession	Q3URF8, NP_001025030.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26710
Calculated MW	29643
Antigen Region	232-260

Additional Information

Gene ID	283219
Other Names	BTB/POZ domain-containing protein KCTD21, KCTD21
Target/Specificity	This KCTD21 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 232-260 amino acids from the C-terminal region of human KCTD21.
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	KCTD21 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KCTD21
Function	Probable substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex mediating the ubiquitination and

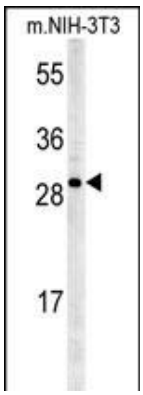
subsequent proteasomal degradation of target proteins. Promotes the ubiquitination of HDAC1. Can function as antagonist of the Hedgehog pathway by affecting the nuclear transfer of transcription factor GLI1; the function probably occurs via HDAC1 down-regulation, keeping GLI1 acetylated and inactive. Inhibits cell growth and tumorigenicity of medulloblastoma (MDB) (PubMed:21472142).

Tissue Location Highly expressed in cerebellum and brain. Expression is down-regulated in medulloblastoma

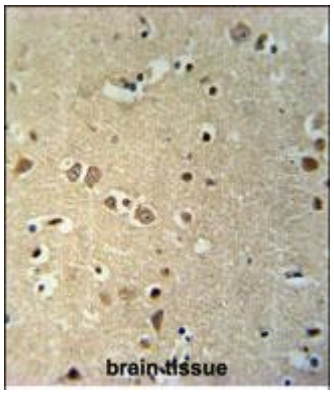
References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

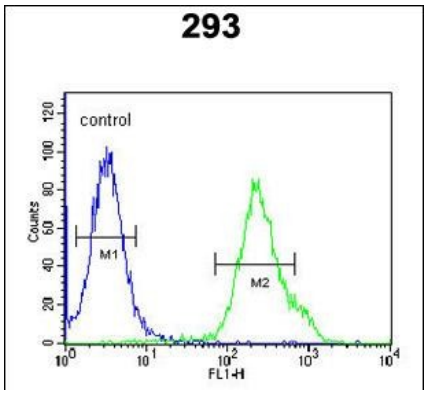
Images



KCTD21 Antibody (C-term)(Cat. #AP5408b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the KCTD21 antibody detected the KCTD21 protein (arrow).



KCTD21 Antibody (C-term) (Cat. #AP5408b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KCTD21 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



KCTD21 Antibody (C-term) (Cat. #AP5408b) flow cytometric analysis of 293 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'.