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# KCTD11 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10858

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q693B1 |
| **Other Accession** | NM_001002914, NP_001002914 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine |
| **Predicted** | Mouse, Rat, Rabbit, Dog |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 25887 |

## Additional Information

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| **Gene ID** | 147040 |
| **Alias Symbol** | C17orf36, MGC129844, REN, REN/KCTD11, KCASH1 |
| **Other Names** | BTB/POZ domain-containing protein KCTD11, KCTD11, C17orf36, REN |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 100 ul of distilled water. Final anti-KCTD11 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | KCTD11 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | KCTD11 |
| **Synonyms** | C17orf36, REN |
| **Function** | Plays a role as a marker and a regulator of neuronal differentiation; Up-regulated by a variety of neurogenic signals, such as retinoic acid, epidermal growth factor/EGF and NGFB/nerve growth factor. Induces apoptosis, growth arrest and the expression of cyclin- dependent kinase inhibitor CDKN1B. Plays a role as a tumor repressor and inhibits cell growth and tumorigenicity of medulloblastoma (MDB). Acts as a probable substrate-specific adapter for a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex towards HDAC1. Functions as antagonist of the Hedgehog pathway on cell proliferation and differentiation by affecting the nuclear |

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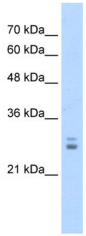
| | transfer of transcription factor GLI1, thus maintaining cerebellar granule cells in undifferentiated state, this effect probably occurs via HDAC1 down-regulation, keeping GLI1 acetylated and inactive. When knock-down, Hedgehog antagonism is impaired and proliferation of granule cells is sustained. Activates the caspase cascade. |
| **Tissue Location** | Higher expression in cerebellum than in whole brain and lower expression in medulloblastoma. |

## References

Di (2004) Proc. Natl. Acad. Sci. U.S.A. 101 (29), 10833-10838 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images




WB Suggested Anti-KCTD11 Antibody Titration: 1.25µg/ml
Positive Control: Jurkat cell lysate