

KCTD11 Antibody (N-Term)

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| Catalog_no : | AB3533 |
| Reactivity : | H, M |
| Category : | 抗原抗体 |
| Size : | 100μL/50μL |
| Immunogen : | HUMAN |
| Specificity : | This KCTD11 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 21-53 amino acids from human KCTD11. |
| Dilution : | WB,1:1000-1:2000;IHC-P,1:25; |
| Other_name : | BTB/POZ domain-containing protein KCTD11, KCTD11, C17orf36, REN |
| Isotype : | Rabbit Ig |
| Background : | 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 an E3 ubiquitin-protein ligase towards HDAC1, leading to its proteasomal degradation. Functions as antagonist of the Hedgehog pathway on cell proliferation and differentiation by affecting the nuclear 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. |
| reference : | Di Marcotullio L.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:10833-10838(2004). Correale S.,et al.Biochimie 93:715-724(2011). Ota T.,et al.Nat. Genet. 36:40-45(2004). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Canettieri G |