

Rabbit anti-Human, Mouse KCTD11 Polyclonal Antibody | anti-KCTD11 antibody

KCTD11 Antibody (N-Term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290636	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry

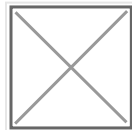
PRODUCT SYNONYMS

KCTD11; Polyclonal Antibody; KCTD11 Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); BTB/POZ domain-containing protein KCTD11; C17orf36; REN; anti-KCTD11 antibody

PRODUCT SPECIFICATIONS

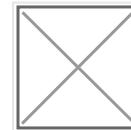
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Sequence Length	232
Applicable Applications for anti-KCTD11 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Antigen Type	Synthesized Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

All lanes : Anti-KCTD11 Antibody (N-Term) at 1:1000-1:2000 dilution
Lane 1: human brain lysate
Lane 2: human cerebellum lysate
Lane 3: mouse cerebellum lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 26 kDa
Blocking/Dilution buffer: 5% NFDN/TBST.



IHC (Immunohistochemistry)

AP21901a staining KCTD11 in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 degree C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KCTD11 antibody	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 NGF/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.
Product Categories/Family for anti-KCTD11 antibody	Crown Antibodies; Neuroscience; Signal Transduction

References	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/DBJ databases. Canettieri G.,et al.Nat. Cell Biol. 12:132-142(2010).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51036594
NCBI GeneID	147040
NCBI Accession #	NP_001002914.1
NCBI GenBank Nucleotide #	NM_001002914.2
UniProt Accession #	Q693B1; B3KPE0
Molecular Weight	29,875 Da
NCBI Official Full Name	BTB/POZ domain-containing protein KCTD11
NCBI Official Synonym Full Names	potassium channel tetramerization domain containing 11
NCBI Official Symbol	KCTD11
NCBI Official Synonym Symbols	REN; KCASH1; C17orf36; REN/KCTD11
NCBI Protein Information	BTB/POZ domain-containing protein KCTD11
UniProt Protein Name	BTB/POZ domain-containing protein KCTD11
UniProt Gene Name	KCTD11
UniProt Synonym Gene Names	C17orf36; REN
UniProt Entry Name	KCD11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kctd11-antibody-western-blot-immunohistochemistry-elisa/290636>