BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-KCTD11 Antibody (N-Term)

**Catalog Number:** M10796

## About KCTD11

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 transcrition 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.

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## Overview

| | |
|---|---|
| Product Name | Anti-KCTD11 Antibody (N-Term) |
| Reactive Species | Human, Mouse |
| Description | Boster Bio Anti-KCTD11 Antibody (N-Term) (Catalog # M10796). Tested in WB, IHC-P application(s). This antibody reacts with Human, Mouse. |
| Application | IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Storage Instructions | 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. |
| Host | Rabbit |
| Uniprot ID | Q693B1 |

## Technical Details

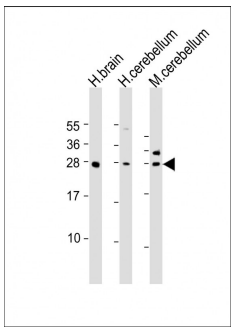
| | |
|---|---|
| Immunogen | This KCTD11 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 21-53 amino acids from human KCTD11. |

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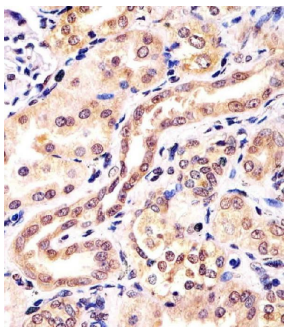
| | |
|---|---|
| Predicted Reactive Species | Mouse |
| Isotype | Rabbit IgG |
| Purification | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Suggested Dilutions | WB: 1:1000-1:2000<br>IHC-P: 1:25 |

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# Anti-KCTD11 Antibody (N-Term) (M10796) Images




All lanes : Anti-KCTD11 Antibody (N-Term) at 1:1000-1:2000 dilutionLane 1: human brain lysate Lane 2: human cerebellum lysate Lane 3: mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),



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

Anti-KCTD11 Antibody (N-Term)

For Research Use Only. Not for use in diagnostic procedures.