

**KCTD21 Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP5408b

**Specification**

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**KCTD21 Blocking Peptide (C-term) - Product Information**

Primary Accession

[O4G0X4](#)

Other Accession

[O3URF8](#), [NP\\_001025030.1](#)**KCTD21 Blocking Peptide (C-term) - Additional Information****Gene ID** 283219**Other Names**

BTB/POZ domain-containing protein KCTD21, KCTD21

**Target/Specificity**

The synthetic peptide sequence is selected from aa 247-260 of HUMAN KCTD21

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**KCTD21 Blocking Peptide (C-term) - 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: <http://www.uniprot.org/citations/21472142> target="\_blank">21472142</a>).**Tissue Location**

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

**KCTD21 Blocking Peptide (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**KCTD21 Blocking Peptide (C-term) - Images**

**KCTD21 Blocking Peptide (C-term) - References**

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