10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KCTD21 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP5408b

Specification

KCTD21 Blocking Peptide (C-term) - Product Information

Primary Accession	Q4G0X4
Other Accession	Q3URF8, 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:21472142).

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

KCTD21 Blocking Peptide (C-term) - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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) :