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ZKSCAN3 Blocking Peptide (N-Term)

Synthetic peptide
Catalog # BP21797a

Specification

ZKSCAN3 Blocking Peptide (N-Term) - Product Information

Primary Accession Q9BRR0

ZKSCAN3 Blocking Peptide (N-Term) - Additional Information

Gene ID 80317

Other Names
Zinc finger protein with KRAB and SCAN domains 3, Zinc finger and SCAN domain-containing protein 13, Zinc finger protein 306, Zinc finger protein 309, Zinc finger protein 47 homolog, Zf47, Zfp-47, ZKSCAN3, ZFP47, ZNF306, ZNF309, ZSCAN13

Target/Specificity
The synthetic peptide sequence is selected from aa 120-130 of HUMAN ZKSCAN3

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.

ZKSCAN3 Blocking Peptide (N-Term) - Protein Information

Name ZKSCAN3

Synonyms ZFP47, ZNF306, ZNF309, ZSCAN13

Function
Transcriptional factor that binds to the consensus sequence 5'-[GT][AG][AGT]GGGG-3' and acts as a repressor of autophagy. Specifically represses expression of genes involved in autophagy and lysosome biogenesis/function such as MAP1LC3B, ULK1 or WIPI2. Associates with chromatin at the ITGB4 and VEGF promoters. Also acts as a transcription activator and promotes cancer cell progression and/or migration in various tumors and myelomas.

Cellular Location
Nucleus. Cytoplasm. Note=Mainly localizes in the nucleus. Under starvation conditions translocates to the cytoplasm, allowing expression of target genes involved in autophagy and lysosome biogenesis/function

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ZKSCAN3 Blocking Peptide (N-Term) - Protocols

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

- Blocking Peptides

ZKSCAN3 Blocking Peptide (N-Term) - Images

ZKSCAN3 Blocking Peptide (N-Term) - Background

Transcriptional factor that binds to the consensus sequence 5'-[GT][AG][AGT]GGGG-3' and acts as a repressor of autophagy. Specifically represses expression of genes involved in autophagy and lysosome biogenesis/function such as MAP1LC3B, ULK1 or WIPI2. Associates with chromatin at the ITGB4 and VEGF promoters. Also acts as a transcription activator and promotes cancer cell progression and/or migation in various tumors and myelomas.

ZKSCAN3 Blocking Peptide (N-Term) - References

Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Petroni D.,et al.DNA Seq. 9:163-169(1998).