



## KANK1 blocking peptide (CDBP5631)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene belongs to the Kank family of proteins, which contain multiple ankyrin repeat domains. This family member functions in cytoskeleton formation by regulating actin polymerization. This gene is a candidate tumor suppressor for renal cell carcinoma. Mutations in this gene cause cerebral palsy spastic quadriplegic type 2, a central nervous system development disorder. A t(5; 9) translocation results in fusion of the platelet-derived growth factor receptor beta gene (PDGFRB) on chromosome 5 with this gene in a myeloproliferative neoplasm featuring severe thrombocytopenia. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 20. [provided by RefSeq, Mar 2012]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">KANK1 KN motif and ankyrin repeat domains 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	KANK1
<b>Synonyms</b>	KANK1; KN motif and ankyrin repeat domains 1; KANK; CPSQ2; ANKRD15; KN motif and

ankyrin repeat domain-containing protein 1; kidney ankyrin repeat-containing protein; ankyrin repeat domain-containing protein 15

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<b>Entrez Gene ID</b>	<a href="#">23189</a>
<b>mRNA Refseq</b>	<a href="#">NM_001256876</a>
<b>Protein Refseq</b>	<a href="#">NP_001243805</a>
<b>UniProt ID</b>	Q14678
<b>Function</b>	beta-catenin binding; protein binding

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