



# Human TPCN2 blocking peptide (CDBP3023)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-TPCN2 antibody
<b>Antigen Description</b>	This gene encodes a putative cation-selective ion channel with two repeats of a six-transmembrane-domain. The protein localizes to lysosomal membranes and enables nicotinic acid adenine dinucleotide phosphate (NAADP) -induced calcium ion release from lysosome-related stores. This ubiquitously expressed gene has elevated expression in liver and kidney. Two common nonsynonymous SNPs in this gene strongly associate with blond versus brown hair pigmentation.[provided by RefSeq, Dec 2009]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TPCN2 two pore segment channel 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	TPCN2
<b>Synonyms</b>	TPCN2; two pore segment channel 2; two pore calcium channel protein 2; TPC2; two-pore calcium channel protein 2; voltage-dependent calcium channel protein TPC2; SHEP10;

FLJ41094;

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<b>Entrez Gene ID</b>	<a href="#">219931</a>
<b>mRNA Refseq</b>	<a href="#">NM_139075</a>
<b>Protein Refseq</b>	<a href="#">NP_620714</a>
<b>UniProt ID</b>	Q8NHX9
<b>Chromosome Location</b>	11q13.1
<b>Pathway</b>	Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem;
<b>Function</b>	NAADP-sensitive calcium-release channel activity; identical protein binding; protein binding; voltage-gated calcium channel activity; voltage-gated ion channel activity;

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