



# Human TRPC4 blocking peptide (CDBP3072)

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-TRPC4 antibody
<b>Antigen Description</b>	This gene encodes a member of the canonical subfamily of transient receptor potential cation channels. The encoded protein forms a non-selective calcium-permeable cation channel that is activated by Gq-coupled receptors and tyrosine kinases, and plays a role in multiple processes including endothelial permeability, vasodilation, neurotransmitter release and cell proliferation. Single nucleotide polymorphisms in this gene may be associated with generalized epilepsy with photosensitivity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]
<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="#">TRPC4 transient receptor potential cation channel, subfamily C, member 4 [ Homo sapiens ]</a>
<b>Official Symbol</b>	TRPC4
<b>Synonyms</b>	TRPC4; transient receptor potential cation channel, subfamily C, member 4; short transient

receptor potential channel 4; HTRP4; TRP4; trp-related protein 4; HTRP-4; MGC119570;  
MGC119571; MGC119572; MGC119573;

Entrez Gene ID	<a href="#">7223</a>
mRNA Refseq	<a href="#">NM_001135955</a>
Protein Refseq	<a href="#">NP_001129427</a>
UniProt ID	Q9UBN4
Chromosome Location	13q13.3
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Netrin-1 signaling, organism-specific biosystem; Role of second messengers in netrin-1 signaling, organism-specific biosystem;
Function	beta-catenin binding; cadherin binding; ion channel activity; protein binding; receptor activity; store-operated calcium channel activity;