



Human CYTH2 blocking peptide (CDBP0488)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ARNO/cytohesin 2 antibody
Antigen Description	The protein encoded by this gene is a member of the PSCD family. Members of this family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. The encoded protein exhibits GEP activity in vitro with ARF1, ARF3, and ARF6 and is 83% homologous to CYTH1. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [CYTH2 cytohesin 2 \[Homo sapiens \(human\) \]](#)

Official Symbol	CYTH2
Synonyms	CYTH2; cytohesin 2; ARNO; CTS18; PSCD2; SEC7L; PSCD2L; CTS18.1; Sec7p-L; Sec7p-like; cytohesin-2; CTC-273B12.8; ARF exchange factor; ARF nucleotide-binding site opener; PH, SEC7 and coiled-coil domain-containing protein 2; pleckstrin homology, Sec7 and coiled-coil domains 2 (cytohesin-2); pleckstrin homology, Sec7 and coiled/coil domains 2 (cytohesin-2);
Entrez Gene ID	9266
mRNA Refseq	NM_004228.6
Protein Refseq	NP_004219.3
UniProt ID	Q99418
Chromosome Location	19q13.33
Pathway	Arf1 pathway, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem;
Function	ARF guanyl-nucleotide exchange factor activity; ARF guanyl-nucleotide exchange factor activity; inositol 1,4,5 trisphosphate binding; lipid binding; protein binding;