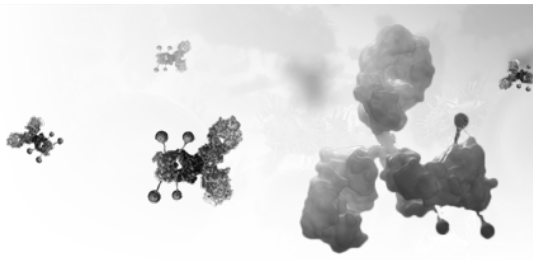

Human DIAPH1 blocking peptide (CDBP1005)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DIAPH1 antibody
Antigen Description	This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
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	DIAPH1 diaphanous homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	DIAPH1
Synonyms	DIAPH1; diaphanous homolog 1 (Drosophila); DFNA1, diaphanous (Drosophila, homolog) 1; protein diaphanous homolog 1; hDIA1; LFHL1; diaphanous-related formin 1; diaphanous-

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	related formin-1; DIA1; DRF1; DFNA1; FLJ25265;
Entrez Gene ID	1729
mRNA Refseq	NM_001079812
Protein Refseq	NP_001073280
UniProt ID	O60610
Chromosome Location	5q31
Pathway	Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; G13 Signaling Pathway, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem; RhoA signaling pathway, organism-specific biosystem; Shigellosis, organism-specific biosystem;
Function	Rho GTPase binding; actin binding; binding; ion channel binding; profilin binding; receptor binding;

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