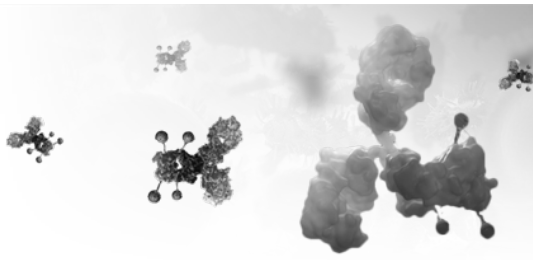

Human GJB2 blocking peptide (CDBP1367)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-GJB2/Connexin 26 antibody
Antigen Description	This gene encodes a member of the gap junction protein family. The gap junctions were first characterized by electron microscopy as regionally specialized structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell channels that facilitate the transfer of ions and small molecules between cells. The gap junction proteins, also known as connexins, purified from fractions of enriched gap junctions from different tissues differ. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene are responsible for as much as 50% of pre-lingual, recessive deafness.
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	GJB2 gap junction protein, beta 2, 26kDa [Homo sapiens]
Official Symbol	GJB2

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Synonyms	GJB2; gap junction protein, beta 2, 26kDa; DFNA3, DFNB1, gap junction protein, beta 2, 26kD (connexin 26) , gap junction protein, beta 2, 26kDa (connexin 26); gap junction beta-2 protein; connexin 26; CX26; NSRD1; HID; KID; PPK; DFNA3; DFNB1; DFNA3A; DFNB1A;
Entrez Gene ID	2706
mRNA Refseq	NM_004004
Protein Refseq	NP_003995
UniProt ID	P29033
Chromosome Location	13q11-q12
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Gap junction assembly, organism-specific biosystem; Gap junction trafficking, organism-specific biosystem; Gap junction trafficking and regulation, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Oligomerization of connexins into connexons, organism-specific biosystem; Transport of connexins along the secretory pathway, organism-specific biosystem;
Function	gap junction channel activity;

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