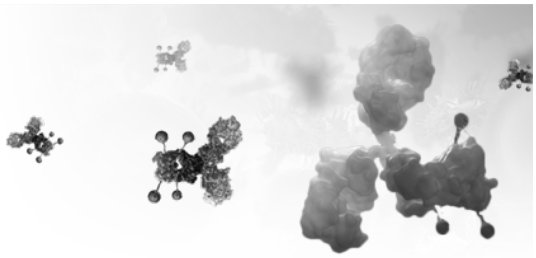

Mouse anti-Human GJB2 monoclonal antibody, clone 2D7 (CABT-B10327)

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

PRODUCT INFORMATION

Immunogen	GJB2 (AAH17048, 1 a.a. ~ 227 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	2D7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MDWGTLQTILGGVNKHSTSIGKIWLTVLFIFRIMILVVAAKEVWGDEQADFVCNTLQPGC KNVCYDHYFPISHIRLWALQLIFVSTPALLVAMHVAYRRHEKKRKFIKGEIKSEFKDIEE IKTQKVRIEGSLWWTYTSSIFFRVIFEAAFMYVFYVMYDGFSMQRLVKCNAWPCPNTVDC FVSRPTEKTVFTVFMIAVSGICILLNVTELCYLLIRYCSGKSKKPV*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

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Introduction	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. [provided by RefSeq, Oct 2008]
Keywords	GJB2; gap junction protein, beta 2, 26kDa; HID; KID; PPK; CX26; DFNA3; DFNB1; NSRD1; DFNA3A; DFNB1A; gap junction beta-2 protein; connexin 26; gap junction protein beta 2;

GENE INFORMATION

Entrez Gene ID	2706
UniProt ID	P29033
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
Function	gap junction channel activity

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