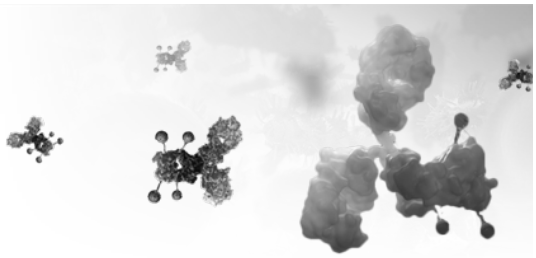

Mouse anti-Human GJA1 monoclonal antibody, clone 4F6 (CABT-B10326)

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

PRODUCT INFORMATION

Immunogen	GJA1 (AAH26329, 261 a.a. ~ 361 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4F6
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	GSQKYAYFNGCSSPTAPLSPMSPPGYKLVTGDRNNSSCRNYNKQASEQNWANYSAEQNRM GQAGSTISNSHAQPFDFPDDNQNSKKLAAGHELQPLAIVD*
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

Introduction	This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for

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	the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia, autosomal recessive craniometaphyseal dysplasia and heart malformations. [provided by RefSeq, May 2014]
Keywords	GJA1; gap junction protein, alpha 1, 43kDa; HSS; CMDR; CX43; GJAL; ODDD; AVSD3; HLHS1; gap junction alpha-1 protein; connexin 43; connexin-43; gap junction 43 kDa heart protein;

GENE INFORMATION

Entrez Gene ID	2697
UniProt ID	P17302
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Formation of annular gap junctions, organism-specific biosystem; Gap junction, organism-specific biosystem
Function	PDZ domain binding; SH3 domain binding; gap junction channel activity; ion transmembrane transporter activity; protein binding; receptor binding; signal transducer activity; transmembrane transporter activity

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