



Anti-GJA8 polyclonal antibody (DPAB-DC1342)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a transmembrane connexin protein that is necessary for lens growth and maturation of lens fiber cells. The encoded protein is a component of gap junction channels and functions in a calcium and pH-dependent manner. Mutations in this gene have been associated with zonular pulverulent cataracts, nuclear progressive cataracts, and cataract-microcornea syndrome.
Immunogen	A synthetic peptide corresponding to human MLH3. The sequence is RQSLQQSMPPCEPP
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GJA8 gap junction protein, alpha 8, 50kDa [Homo sapiens (human)]
Official Symbol	GJA8
Synonyms	GJA8; gap junction protein, alpha 8, 50kDa; CAE; CAE1; CX50; CZP1; MP70; CTRCT1; gap junction alpha-8 protein; connexin 50; connexin-50; lens fiber protein MP70; cell surface glycoprotein; gap junction protein alpha 8 50kDa; lens intrinsic membrane protein MP70; gap junction membrane channel protein alpha-8;
Entrez Gene ID	2703
Protein Refseq	NP_005258
UniProt ID	P48165
Chromosome Location	1q21.1
Pathway	Calcium Regulation in the Cardiac Cell; Gap junction trafficking; Membrane Trafficking;
Function	channel activity;
