



## Anti-GJA8 (internal region) polyclonal antibody (DPAB-DC1340)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at internal region of human GJA8. The sequence is TPSLCPELTTDDAR
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">GJA8 gap junction protein, alpha 8, 50kDa [ Homo sapiens (human) ]</a>
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	<a href="#">2703</a>
Protein Refseq	<a href="#">NP_005258</a>
UniProt ID	<a href="#">P48165</a>
Chromosome Location	1q21.1
Pathway	Calcium Regulation in the Cardiac Cell; Gap junction trafficking; Membrane Trafficking;
Function	channel activity;