



# Anti-GJA8 (aa 301-410) polyclonal antibody (DPAB-DC1341)

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>	GJA8 (NP_005258, 301 a.a. ~ 410 a.a) partial recombinant protein with GST tag. The sequence is EEKISTGPLGDLGRGYQETLPSYAQVGAQEVEGEGPPAEEGAEPVGEKKEEAERLTTEE QEKVAVPEGEKVVETPGVDKEGEKEEPQSEKVSQGLPAEKTPSLCPELTT
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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