



Anti-GJA8 polyclonal antibody (DPAB-DC1342)

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

PRODUCT INFORMATION

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| 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

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| 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; |