

Gap Junction Alpha-8 Protein / CX50 (GJA8) Antibody

Catalogue No.: abx028505



GJA8 is an integral membrane protein that belongs to the connexin family, alpha-type (group II) subfamily. One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. A connexon is composed of a hexamer of connexins. This particular connexin only forms junctional channels. GJA8 is expressed in the eye lens, and defects in GJA8 are the cause of zonular pulverulent cataract type 1 (CZP1), a form of autosomal dominant congenital cataract.

Target:	Gap Junction Alpha-8 Protein / CX50 (GJA8)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 99-130 amino acids from the N-terminal region of human Connexin 50.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P48165 (UniProt , ExPASy)

Datasheet

Version: 2.0.0

Revision date: 15 Oct 2025



NCBI Accession: NP_005258.2

KEGG: hsa:2703

String: [9606.ENSP00000358238](#)

Molecular Weight: Calculated MW: 48.2 kDa

Buffer: PBS containing 0.09% sodium azide.

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