

Connexin 50 / GJA8 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3036a**Specification**

Connexin 50 / GJA8 Antibody (internal region) - Product Information

Application	E
Primary Accession	P48165
Other Accession	NP_005258.2 , 2703 , 14616 (mouse) , 29601 (rat)
Predicted Host	Human, Mouse, Rat, Dog, Cow
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	48229

Connexin 50 / GJA8 Antibody (internal region) - Additional Information**Gene ID** 2703**Other Names**

Gap junction alpha-8 protein, Connexin-50, Cx50, Lens fiber protein MP70, GJA8

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Connexin 50 / GJA8 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Connexin 50 / GJA8 Antibody (internal region) - Protein Information**Name** GJA8**Function**

Structural component of eye lens gap junctions (PubMed:18006672, PubMed:19756179). Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (By similarity). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed:18006672),

PubMed:19756179).

Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P55917}. Cell junction, gap junction

Tissue Location

Eye lens..

Connexin 50 / GJA8 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Connexin 50 / GJA8 Antibody (internal region) - Images**Connexin 50 / GJA8 Antibody (internal region) - References**

A novel GJA8 mutation in a Chinese family with autosomal dominant congenital cataract. Lin Y, Liu NN, Lei CT, Fan YC, Liu XQ, Yang Y, Wang JF, Liu B, Yang ZL, Zhonghua Yi Xue Yi Chuan Xue Za Zhi. 2008 Feb;25(1):59-62. PMID: 18247306