

## GJA8 Conjugated Antibody

Catalog No: #C37121



Package Size: #C37121-AF350 100ul #C37121-AF405 100ul #C37121-AF488 100ul  
 #C37121-AF555 100ul #C37121-AF594 100ul #C37121-AF647 100ul  
 #C37121-AF680 100ul #C37121-AF750 100ul #C37121-Biotin 100ul

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## Description

Product Name	GJA8 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GJA8 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human gap junction protein, alpha 8, 50kDa
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CAE; CAE1; CX50; CZP1; MP70; CTRCT1
Accession No.	Swiss-Prot#:P48165NCBI Gene ID:2703NCBI Protein#:NP_694944
Uniprot	P48165
GeneID	2703;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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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.

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Note: This product is for in vitro research use only