

Datasheet for ABIN1882072
anti-GJA8 antibody (N-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	GJA8
Binding Specificity:	AA 99-130, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJA8 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Connexin 50 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 99-130 amino acids from the N-terminal region of human Connexin 50.
Clone:	RB1381
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. Purified Rabbit Polyclonal Antibody (Pab)

Target Details

Target:	GJA8
Alternative Name:	Connexin 50 (GJA8 Products)
Background:	GJA8 is a an integral membrane protein that belongs to the connexin family, alpha-type (group

Target Details

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.

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

NCBI Accession: [NP_005258](#)

UniProt: [P48165](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.79 mg/mL

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

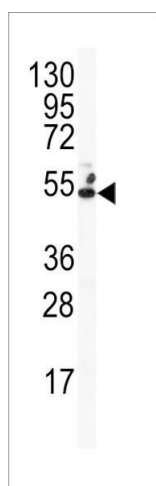
Publications

Product cited in: Wendeler, Pabst, Wang, Strouse, Wang, Hunter: "Process-scale purification and analytical characterization of highly gamma-carboxylated recombinant human prothrombin." in: **Journal of chromatography. A**, Vol. 1325, pp. 171-8, (2014) ([PubMed](#)).

Yang, Ko, Yang, Kim, Seo, Park, Choi, Seong, Kweon: "Interleukin-1 promotes coagulation, which is necessary for protective immunity in the lung against *Streptococcus pneumoniae* infection." in: **The Journal of infectious diseases**, Vol. 207, Issue 1, pp. 50-60, (2012) ([PubMed](#)).

Lim, Joy, Hill, San Brian Chia: "Novel agmatine and agmatine-like peptidomimetic inhibitors of the West Nile virus NS2B/NS3 serine protease." in: **European journal of medicinal chemistry**, Vol. 46, Issue 7, pp. 3130-4, (2011) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of anti-GJA8 Antibody (N-term) in HepG2 cell line lysates (35 µg/lane). GJA8(arrow) was detected using the purified Pab.