Datasheet for ABIN3042423

anti-GJA3 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	GJA3
Binding Specificity:	AA 89-118, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJA3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-GJA3 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human GJA3, different from the related mouse and rat sequences by four amino acids.
Sequence:	TLIYLGHVLH IVRMEEKKKE REEEEQLKRE
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GJA3 Antibody Picoband® (ABIN3042423). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	GJA3
Alternative Name:	GJA3 (GJA3 Products)
Background:	Synonyms: Gap junction alpha-3 protein,Connexin-46,Cx46,GJA3, Tissue Specificity: Expressed in adult heart, placenta, lung, kidney, pancreas, prostate, and ovary and in fetal lung and kidney. Background: Gap junction alpha-3 protein, also known as Connexin-46, is a protein that in humans is encoded by the GJA3 gene. This gene is mapped to 13q12.11. The protein encoded by this gene is a connexin and is a component of lens fiber gap junctions. 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. Defects in this gene are a cause of zonular pulverulent cataract type 3 (CZP3). Sequence Similarities: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB3 sub-subfamily.
Molecular Weight:	55 kDa
Gene ID:	2700
UniProt:	Q9Y6H8

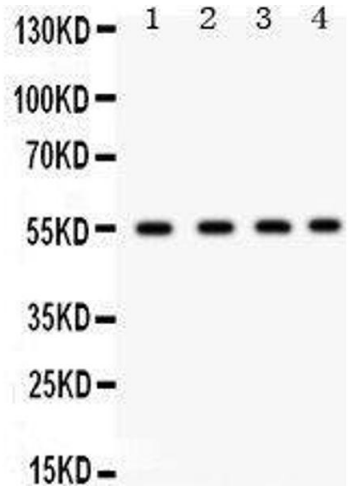
Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat 1. Burdon, K. P., Wirth, M. G., Mackey, D. A., Russell-Eggitt, I. M., Craig, J. E., Elder, J. E., Dickinson, J. L., Sale, M. M. A novel mutation in the connexin 46 gene causes autosomal dominant congenital cataract with incomplete penetrance. J. Med. Genet. 41: e106, 2004. Note: Electronic Article. Errata: J. Med. Genet. 42: 288 only, 2004, J. Med. Genet. 45: 256 only, 2008. 2. Chang, B., Wang, X., Hawes, N. L., Ojakian, R., Davisson, M. T., Lo, W.-K., Gong, X. A Gja8 (Cx50) point mutation causes an alteration of alpha-3 connexin (Cx46) in semi-dominant cataracts of Lop10 mice. Hum. Molec. Genet. 11: 507-513, 2002. 3. White, T. W. Unique and redundant connexin contributions to lens development.Science 295: 319-320, 2002.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1.