

Product datasheet

Anti-GJA3 antibody ab85892

1 Image

Overview

Product name	Anti-GJA3 antibody
Description	Rabbit polyclonal to GJA3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Rat, Horse, Pig, Saccharomyces cerevisiae, Zebrafish
Immunogen	Synthetic peptide corresponding to a region within the N terminal amino acids 72-121 (ISHIRFWALQ IIFVSTPTLI YLGHVLRHVR MEEKKKEREE EEQLKRESPTS) of human GJA3 (NP_068773). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	721_B cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Purification notes	Purified by peptide affinity chromatography method.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab85892** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 47 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

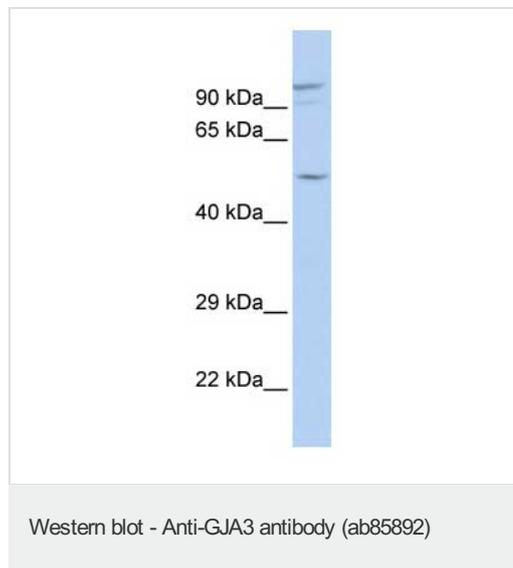
Function One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

Involvement in disease Defects in GJA3 are the cause of cataract zonular pulverulent cataract type 3 (CZP3) [MIM:601885]. A form of zonular cataract. Zonular or lamellar cataracts are opacities, broad or narrow, usually consisting of powdery white dots affecting only certain layers or zones between the cortex and nucleus of an otherwise clear lens. The opacity may be so dense as to render the entire central region of the lens completely opaque, or so translucent that vision is hardly if at all impeded. Zonular cataracts generally do not involve the embryonic nucleus, though sometimes they involve the fetal nucleus. Usually sharply separated from a clear cortex outside them, they may have projections from their outer edges known as riders or spokes.

Sequence similarities Belongs to the connexin family. Alpha-type (group II) subfamily.

Cellular localization Cell membrane. Cell junction > gap junction.

Images



Anti-GJA3 antibody (ab85892) at 1 µg/ml +
721_B cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000
dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

Additional bands at: >90 kDa. We are unsure as to the identity of these extra bands.

Gel concentration 12%

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