abcam

# Product datasheet

# Anti-GJB3 antibody ab108285

1 Abreviews 1 Image

## Overview

| | |
|---|---|
| **Product name** | Anti-GJB3 antibody |
| **Description** | Rabbit polyclonal to GJB3 |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** WB |
| **Species reactivity** | **Reacts with:** Mouse<br>**Predicted to work with:** Rat, Zebrafish |
| **Immunogen** | Synthetic peptide, corresponding to a region within N terminal amino acids 1-50 ( MDWKKLQDLLSGVNQYSTAFGRIWLSVVFVFRVLVYVVAAERVWGDEQKD ) of Mouse GJB3 (NP_032152.1).<br>Run BLAST with Run BLAST with |
| **Positive control** | SP2/0 cell lysate. |

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term. |
| **Storage buffer** | Preservative: None<br>Constituents: 2% Sucrose, PBS |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

## Applications

Our Abpromise guarantee covers the use of **ab108285** 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 |
|---|---|---|

| Application | Abreviews | Notes |
|---|---|---|
| WB | | Use a concentration of 0.125 µg/ml. Predicted molecular weight: 31 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 GJB3 are a cause of erythrokeratodermia variabilis (EKV) [MIM:133200]. EKV is a genodermatosis characterized by the appearance of two independent skin lesions: transient figurate erythematous patches and hyperkeratosis that is usually localized but occasionally occurs in its generalized form. Clinical presentation varies significantly within a family and from one family to another. Palmoplantar keratoderma is present in around 50% of cases.
Defects in GJB3 are the cause of deafness autosomal dominant type 2B (DFNA2B) [MIM:612644]. DFNA2 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.

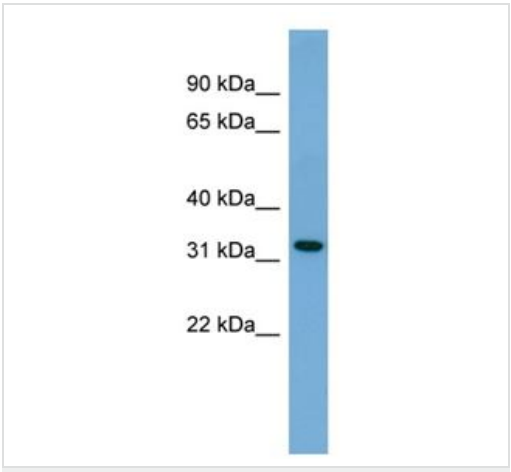
**Sequence similarities**

Belongs to the connexin family. Beta-type (group I) subfamily.

**Cellular localization**

Cell membrane. Cell junction > gap junction.

## Images




Western blot - GJB3 antibody (ab108285)

Anti-GJB3 antibody (ab108285) at 0.125 µg/ml + SP2/0 cell lysate at 10 µg

**Predicted band size:** 31 kDa

12% SDS-PAGE



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