

Datasheet for ABIN3031025  
**anti-GJB2 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	GJB2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJB2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	An amino acid sequence from the N-terminus of human GJB2 (MDWGTLQTILGGVKNKH) was used as the immunogen for this GJB2 antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	GJB2
Alternative Name:	GJB2 ( <a href="#">GJB2 Products</a> )
Background:	Connexin26(CX26), also known as GAP junction protein, beta2, GJB2. Gap junctions were first characterized by electron microscopy as regionally specialized structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell

## Target Details

channels. Proteins, called connexins, purified from fractions of enriched gap junctions from different tissues differ. The 3-prime untranslated region of the CX26 transcript contains a putative mRNA instability sequence. The deduced 226-amino acid protein has a calculated molecular mass of about 26 kD. CX26 shares 92.5 % identity with rat Cx26. connexin 26(GJB2) is assigned to human chromosome 13q11-q12 .Connexin 26 regulates epidermal barrier and wound remodeling and promotes psoriasiform response. Connexin 26 gene(GJB2) mutation modulates the severity of hearing loss associated with the 1555A-G mitochondrial mutation.

UniProt: [P29033](#)

Pathways: [Sensory Perception of Sound](#), [Cell-Cell Junction Organization](#)

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the GJB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.  
Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

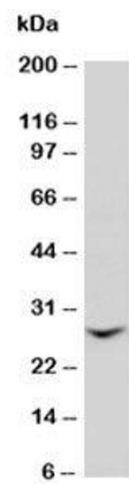
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

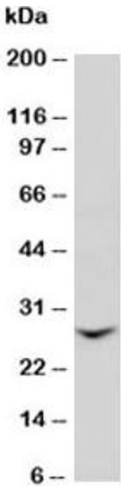
Storage Comment: After reconstitution, the GJB2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Western blot testing of GJB2 antibody and rat liver tissue lysate



Western Blotting

**Image 2.** Western blot testing of GJB2 antibody and rat liver tissue lysate