

Datasheet for ABIN5534072  
**anti-GJB6 antibody (N-Term)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	GJB6
Binding Specificity:	AA 87-117, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJB6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This GJB6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 87-117 amino acids from the N-terminal region of human GJB6.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

## Target Details

Target:	GJB6
Alternative Name:	GJB6 ( <a href="#">GJB6 Products</a> )
Background:	Gap junctions are conduits that allow the direct cell-to-cell passage of small cytoplasmic molecules, including ions, metabolic intermediates, and second messengers, and thereby

## Target Details

mediate intercellular metabolic and electrical communication. Gap junction channels consist of connexin protein subunits, which are encoded by a multigene family. GJBs (gap-junction proteins or connexins) play crucial functional roles associated with these channels. Mutations in GJB2 are associated with genetically derived hearing impairments, including autosomal dominant, bilateral, middle to high frequency hearing loss.

Molecular Weight: 30 kDa

Gene ID: 10804

UniProt: [O95452](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:50~100

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1.1 mg/mL

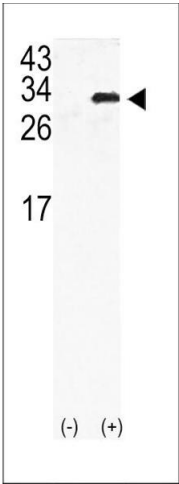
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

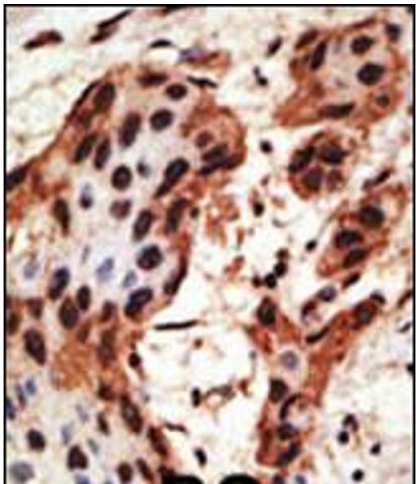
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



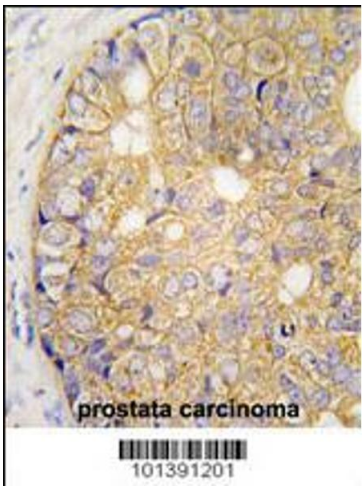
### Western Blotting

**Image 1.** Western blot analysis of GJB6 using rabbit polyclonal GJB6 Antibody using 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the GJB6gene (Lane 2).



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. BC = breast carcinoma; HC = hepatocarcinoma.



### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with GJB6 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.