

Datasheet for ABIN544542
anti-Connexin 31 antibody (C-Term)[2 Images](#)[3 Publications](#)[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Connexin 31 (GJB3)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 31 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of GJB3.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human GJB3.
Cross-Reactivity:	Human

Target Details

Target:	Connexin 31 (GJB3)
Alternative Name:	GJB3 / Cx31 (GJB3 Products)
Gene ID:	2707
Pathways:	Sensory Perception of Sound

Application Details

Application Notes: Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100)
Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.09 % 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

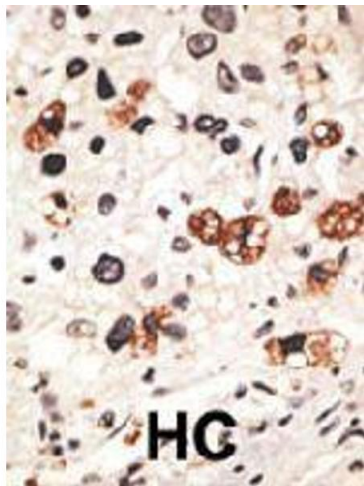
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Mhatre, Weld, Lalwani: "Mutation analysis of Connexin 31 (GJB3) in sporadic non-syndromic hearing impairment." in: **Clinical genetics**, Vol. 63, Issue 2, pp. 154-9, (2003) ([PubMed](#)).

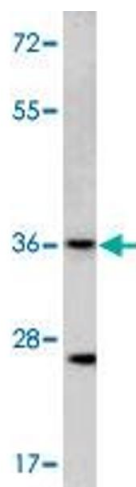
Di, Monypenny, Common, Kennedy, Holland, Leigh, Rugg, Zicha, Kelsell: "Defective trafficking and cell death is characteristic of skin disease-associated connexin 31 mutations." in: **Human molecular genetics**, Vol. 11, Issue 17, pp. 2005-14, (2002) ([PubMed](#)).

Diestel, Richard, Döring, Traub: "Expression of a connexin31 mutation causing erythrokeratoderma variabilis is lethal for HeLa cells." in: **Biochemical and biophysical research communications**, Vol. 296, Issue 3, pp. 721-8, (2002) ([PubMed](#)).



Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with GJB3 polyclonal antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of WiDr cell lysate (35 ug/lane) with GJB3 polyclonal antibody at 2 ug/mL.