

Datasheet for ABIN2798868
anti-Connexin 31 antibody (C-Term)



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Overview

Quantity:	400 µL
Target:	Connexin 31 (GJB3)
Binding Specificity:	AA 227-257, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 31 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Rabbit Anti-Human Connexin 31 (C-term) Antibody
Immunogen:	This Connexin 31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 227-257 amino acids from the C-terminal region of human Connexin 31.
Isotype:	Ig Fraction

Target Details

Target:	Connexin 31 (GJB3)
Alternative Name:	Connexin 31 (GJB3 Products)
Background:	Target Description: Gap junctions are conduits that allow the direct cell-to-cell passage of small cytoplasmic molecules, including ions, metabolic intermediates, and second messengers, and

Target Details

thereby 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. Defects in GJB3 have been linked to erythrokeratoderma variabilis (EKV) is an autosomal dominant genodermatosis characterized by transient figurate red patches or hyperkeratosis. Mutations in GJB2 have also been associated with genetically derived hearing impairments, including autosomal recessive nonsyndromic deafness.

Gene Symbol: GJB3

Molecular Weight:	30818 Da
Gene ID:	2707
UniProt:	O75712
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Western Blot, Immunohistochemistry Recommended Dilutions WB: 1:1000, IHC: 1:50-100Western blot analysis of hGJB3-C241 Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary 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. BC = breast carcinoma, HC = hepatocarcinoma.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	2.0 mg/mL
Storage:	4 °C,-20 °C
Storage Comment:	2-8°C (short-term), -20°C (long-term)