

Datasheet for ABIN576289

anti-Connexin 31 antibody (pSer368)[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	Connexin 31 (GJB3)
Binding Specificity:	pSer368
Reactivity:	Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Connexin 31 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within connexin43 which includes phosphorylated Ser368 (pSer368). Type of Immunogen: Synthetic phospho-peptide
Isotype:	IgG
Specificity:	Recognizes the ~43 kD Connexin43, when phosphorylated at Ser368. Connexin43 (CX43) allows for the exchange of solutions between neighboring cells through the formation of gap-junctional channels and is expressed in the brain, kidneys and myocardium, as well as vascular endothelial cells. A decrease in the permeability of gap-junctional channels occurs due to a conformational change in the structure of CX43, and that this is mediated by the phosphorylation of CX43 at residue Ser368, by Protein Kinase C. A possible link between CX43 and epilepsy has been investigated following the detection of high levels of CX43 in both low-

Product Details

grade tumors and peritumoural reactive astrocytes.

Purification: Purified

Target Details

Target: Connexin 31 (GJB3)

Alternative Name: GJB3 / CX31 / Connexin 31 ([GJB3 Products](#))

Background: Name/Gene ID: GJB3

Subfamily: Connexin

Family: Ion Channel

Synonyms: GJB3, Connexin 31, Connexin-31, CX31, DFNA2, Erythrokeratoderma variabilis, Gap junction beta-3 protein, DFNA2B, EKV, Gap junction protein beta 3

Gene ID: 2707

Pathways: [Sensory Perception of Sound](#)

Application Details

Application Notes: Approved: WB (1:1000)

Usage: Western Blot: LS-C43142 detects a band of approximately 43kD in rat hippocampus cell lysates.

Comment: Target Species of Antibody: Rat

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 10 mM HEPES, pH 7.5, 0.09 % sodium azide, 0.01 % BSA, 50 % glycerol.

Preservative: Sodium azide

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