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Datasheet for ABIN5688865
anti-Connexin antibody (C-Term)

Overview

Quantity:	0.1 mL
Target:	Connexin
Binding Specificity:	C-Term
Reactivity:	Chicken, Dog, Human, Mouse, Rat, Sheep, Xenopus laevis, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Peptide corresponding to amino acid residues from the C-terminal region of rat connexin43.
Purification:	Affinity Purified

Target Details

Target:	Connexin
Abstract:	Connexin Products
Background:	Gap junctional intercellular communication is thought to play a key role in development and may also be involved in epilepsy (Aronica et al., 2001). Connexin43 forms gap-junctional channels and regulates the permeability of these gap junctions to small organic molecules. Permeability of connexin43 is known to be regulated by phosphorylation at er368 by protein kinase C (Yogo et al., 2002, Bao et al., 2004a). Phosphorylation of Ser368 by PKC induces a

Target Details

conformational change of connexin43 that results in a decrease in gap junction permeability (Bao et al., 2004b).

Molecular Weight: 43 kDa

Gene ID: 24392

UniProt: [P08050](#)

Application Details

Application Notes: The antibody has been directly tested for reactivity in Western blots in rat tissues. It is anticipated that the antibody will also work with chicken, dog, finch, human, mouse, non-human primate, sheep, Xenopus and zebra fish tissues based on the fact that these species have 100 % homology with the amino acid sequence used as antigen.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50 % glycerol.

Storage: -20 °C

Storage Comment: Connexin antibody can be stored at -20°C and is stable at -20°C for at least 1 year.