

## Connexin 43 / GJA1 Ab

[References\(12\)](#) [Images\(13\)](#)

Cat.#: AF0137

Size:

Concn.: ~1mg/ml

Source: Rabbit

Mol.Wt.: 43kDa

Clonality: Polyclonal

Application:

WB 1:500-1:3000, IHC 1:50-1:200, IF/ICC: 1:100-1:500

\*The optimal dilutions should be determined by the end user.

Reactivity:

Human,Mouse,Rat

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen:

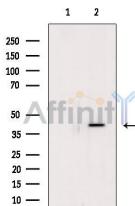
A synthesized peptide derived from human Connexin 43 / GJA1, corresponding to a region within the internal amino acids.

Uniprot:

P17302

Description:

Cx43 an integral membrane protein of the connexin family, alpha-type (group II) subfamily. Hexamers of connexin-43 form connexons, which aggregate together to form gap junctions, through which materials of low MW diffuse from one cell to a neighboring cell. May play a critical role in the physiology of hearing by participating in the recycling of potassium to the cochlear endolymph.



Western blot analysis of extracts from MDA-MB-231 cells, using Connexin 43 Ab.

The lane on the left was treated with blocking peptide.



AF0137 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab



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in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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