



[Go to Product page](#)

Datasheet for ABIN544539

anti-Connexin 43/GJA1 antibody (N-Term)

[2 Images](#)

[3 Publications](#)

Overview

Quantity:	400 µL
Target:	Connexin 43/GJA1 (GJA1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 43/GJA1 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 GJA1.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human GJA1.
Cross-Reactivity:	Human

Target Details

Target:	Connexin 43/GJA1 (GJA1)
Alternative Name:	GJA1 / Cx43 (GJA1 Products)
Gene ID:	2697
Pathways:	MAPK Signaling , Myometrial Relaxation and Contraction , Cell-Cell Junction Organization

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

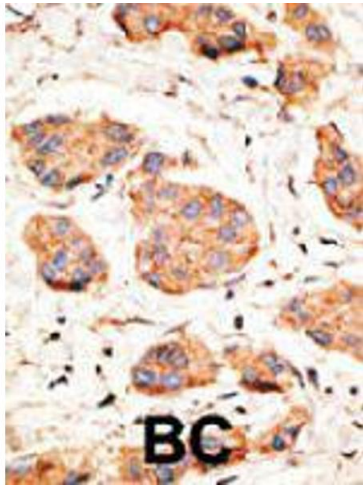
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Spinella, Rosanò, Di Castro, Nicotra, Natali, Bagnato: "Endothelin-1 decreases gap junctional intercellular communication by inducing phosphorylation of connexin 43 in human ovarian carcinoma cells." in: **The Journal of biological chemistry**, Vol. 278, Issue 42, pp. 41294-301, (2003) ([PubMed](#)).

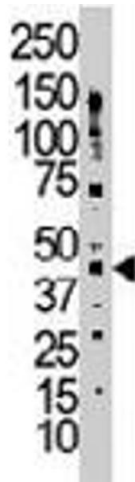
Qin, Shao, Igdoura, Alaoui-Jamali, Laird: "Lysosomal and proteasomal degradation play distinct roles in the life cycle of Cx43 in gap junctional intercellular communication-deficient and -competent breast tumor cells." in: **The Journal of biological chemistry**, Vol. 278, Issue 32, pp. 30005-14, (2003) ([PubMed](#)).

Contreras, Sáez, Bukauskas, Bennett: "Gating and regulation of connexin 43 (Cx43) hemichannels." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 100, Issue 20, pp. 11388-93, (2003) ([PubMed](#)).



Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with GJA1 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. BC = breast carcinoma.



Western Blotting

Image 2. Western blot analysis of GJA1 polyclonal antibody in HL-60 cell lysate. GJA1 (Arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.