

Datasheet for ABIN1533240

anti-Connexin 43/GJA1 antibody (AA 333-382)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	Connexin 43/GJA1 (GJA1)
Binding Specificity:	AA 333-382
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 43/GJA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Connexin 43.
Isotype:	IgG
Specificity:	Connexin 43 Antibody detects endogenous levels of total Connexin 43 protein.
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen.
Purity:	> 95 %

Target Details

Target:	Connexin 43/GJA1 (GJA1)
Alternative Name:	Connexin 43 (GJA1 Products)
Background:	Synonyms: Connexin 43, CX43, CXA1, CXN-43, Gap junction 43 kDa heart protein, Gap junction

Target Details

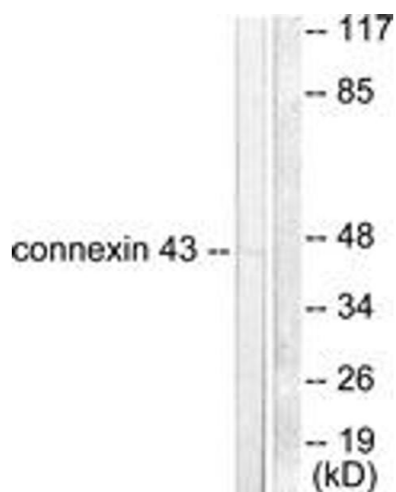
	alpha-1 protein, GJA1 NCBI Gene Symbol: GJA1
Molecular Weight:	43 kDa
Gene ID:	2697
OMIM:	121014
UniProt:	P17302
Pathways:	MAPK Signaling , Myometrial Relaxation and Contraction , Cell-Cell Junction Organization

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:10000
Comment:	Unigene-Number: Hs.74471 (NCBI Gene Symbol: GJA1)
Restrictions:	For Research Use only

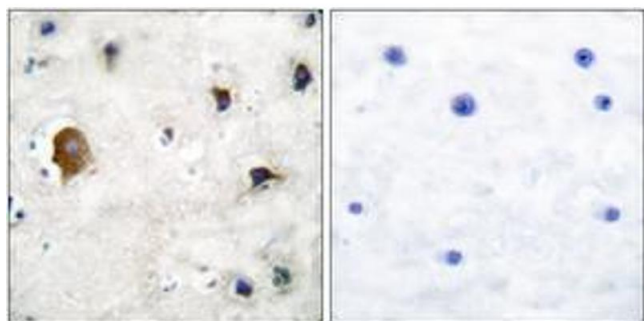
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 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.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



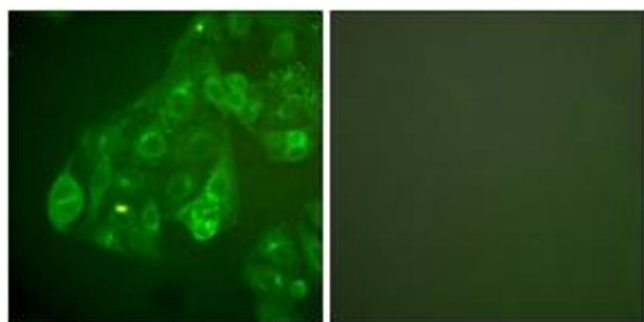
Western Blotting

Image 1. Western blot analysis of extracts from A549 cells, using Connexin 43 Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Connexin 43 Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

Image 3. Immunofluorescence analysis of A549 cells, using Connexin 43 Antibody. The picture on the right is treated with the synthesized peptide.