

Datasheet for ABIN5536705
anti-Cx40/GJA5 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	200 µL
Target:	Cx40/GJA5 (GJA5)
Binding Specificity:	AA 102-134, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cx40/GJA5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Connexin 40 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 102-134 amino acids from the N-terminal region of human Connexin 40.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	Cx40/GJA5 (GJA5)
Alternative Name:	Connexin 40 (GJA5 Products)
Background:	Gap junctions were first characterized by electron microscopy as regionally specialized

Target Details

structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell closely packed transmembrane channels. Proteins, called connexins, purified from fractions of enriched gap junctions from different tissues differ. Connexins are designated by their molecular mass. Another system of nomenclature divides gap junction proteins into 2 categories, alpha and beta, according to sequence similarities at the nucleotide and amino acid levels. For example, CX43 is designated alpha-1 gap junction protein, whereas CX32 and CX26 are called beta-1 and beta-2 gap junction proteins, respectively. This nomenclature emphasizes that CX32 and CX26 are more homologous to each other than either of them is to CX43. Connexins have four transmembrane, three intracellular, and two extracellular regions. Different tissues express different connexins, though tissue specificities overlap, and a given tissue or cell can express several different connexins. Developmental regulation of at least some of the connexin genes has been found. Embryo implantation is regulated in part by temporally changing patterns of expression of connexins in the embryo and the maternal decidua.

Molecular Weight:	40 kDa
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Gene ID:	2702
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UniProt:	P36382
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Pathways:	Cell-Cell Junction Organization
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Application Details

Application Notes:	For WB starting dilution is: 1:1000
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	For IHC-P starting dilution is: 1:10~50
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1.8 mg/mL
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Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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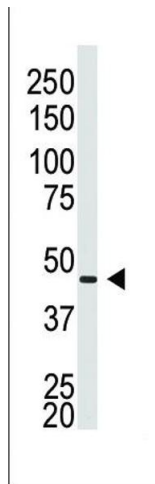
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling

Storage: 4 °C, -20 °C

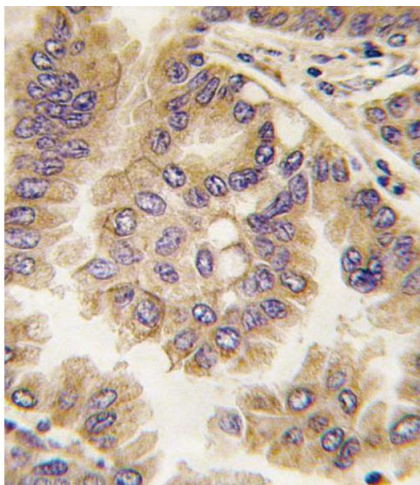
Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western Blotting

Image 1. Western blot analysis of anti-GJA5 N-term Pab in Placenta lysate



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with GJA5 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.