

Rabbit Connexin-40 Polyclonal Antibody

Connexin-40

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268983	Rabbit	Human, Mouse, Rat, Dog, Pig, Cow, Rabbit, Sheep	Immunofluorescence, ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

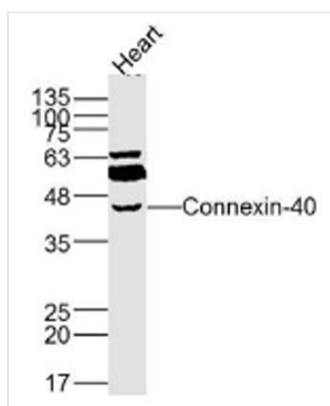
PRODUCT SYNONYMS

Connexin-40; Polyclonal Antibody; connexin 40; connexin40; CX40; Gap junction alpha 5 protein; gap junction protein alpha 5 40kD (connexin 40); gap junction protein alpha 5; GJA5; MGC11185; CXA5_HUMAN; Gap junction alpha-5 protein; Cx40; anti-Connexin-40 antibody

PRODUCT SPECIFICATIONS

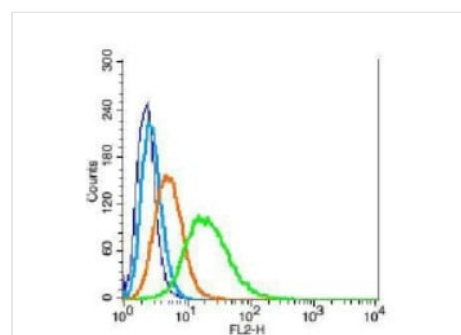
Host	Rabbit
Reactivity	Human, Mouse, Rat, Dog, Pig, Cow, Rabbit, Sheep
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purified by Protein A
Form/Format	0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-Connexin-40 antibody	IF (Immunofluorescence), ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH conjugated synthetic peptide derived from human Connexin-40 301-358/358
Conjugation	Cy3
Preparation and Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

IMAGES



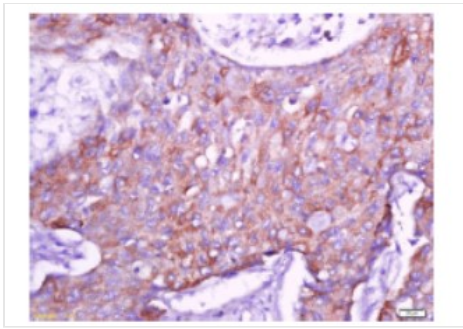
Application Data

Sample: Heart (Mouse) Lysate at 40 ug. Primary: Anti-Connexin-40 at 1/500 dilution. Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution. Predicted band size: 40 kD. Observed band size: 40 kD



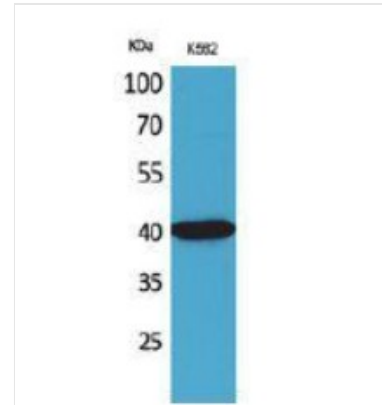
Application Data

Blank control: RSC96 (blue). Primary Antibody: Rabbit Anti- Connexin-40 antibody AAA268983 , Dilution: 1ug in 100 uL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol: The cells were fixed with 2% paraformaldehyde (10 min). Antibody were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody of ER1906-57 at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.



Application Data

Tissue/cell: human lung carcinoma; 4% Paraformaldehyde fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Connexin-40 Polyclonal Antibody, 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.



WB (Western Blot)

Western Blot analysis of K562 cells using Connexin-40 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

ADDITIONAL INFORMATION

Related Product Information for anti-Connexin-40 antibody

This gene is a member of the connexin, gene family. The encoded protein is a component of gap junctions which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene may be associated with atrial fibrillation. Alternatively spliced transcript variant encoding the same isoform have been described. One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P36382
Molecular Weight	40 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/connexin-40-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/268983>