

Rabbit GJA10 Polyclonal Antibody | anti-GJA9 antibody

Connexin 59/GJA10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31171	Rabbit	Human, Mouse, Rat Predicted Reactivity: Horse(80%)	Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

GJA10; Polyclonal Antibody; Connexin 59/GJA10 Antibody; Connexin 58; Connexin 59; Connexin-58; Connexin-59; Cx58; Cx59; CXA9_HUMAN; Gap junction alpha 10 protein; Gap junction alpha 9 protein; Gap junction alpha-10 protein; Gap junction alpha-9 protein; GJA9; MGC50985; anti-GJA9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Horse(80%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Connexin 59/GJA10 Antibody detects endogenous levels of total Connexin 59/GJA10.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	515
Applicable Applications for anti-GJA9 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Connexin 59/GJA10, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



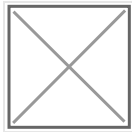
IF (Immunofluorescence)

AAA31171 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Â°C. Samples were then incubated with primary Ab(AAA31171 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Â°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry-Paraffin)

AAA31171 at 1/100 staining Mouse heart 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 antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31171 at 1/100 staining Mouse testis 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 antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31171 at 1/100 staining Mouse muscle 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 antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31171 at 1/100 staining Rat heart 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 antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31171 at 1/100 staining Rat testis 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 antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GJA9 antibody	Function: 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.
	Subcellular Location: Cell membrane>Multi-pass membrane protein. Cell junction>Gap junction.
	Tissue Specificity: Highly abundant in skeletal muscle. Also detected in testis.
	Subunit Structure: A connexon is composed of a hexamer of connexins.
	Similarity: Belongs to the connexin family. Alpha-type (group II) subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50403749
NCBI GeneID	81025
UniProt Accession #	P57773
Molecular Weight	Observed Molecular Weight: (Observed)58kD. Predicted Molecular Weight: (Calculated)59kDa.
NCBI Official Full Name	Gap junction alpha-9 protein
NCBI Official Synonym Full Names	gap junction protein alpha 9
NCBI Official Symbol	GJA9

NCBI Official Synonym Symbols	CX58; CX59; GJA10
NCBI Protein Information	gap junction alpha-9 protein
UniProt Protein Name	Gap junction alpha-9 protein
UniProt Gene Name	GJA9
UniProt Synonym Gene Names	GJA10; Cx58; Cx59
UniProt Entry Name	CXA9_HUMAN

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/gja10-antibody-immunofluorescence-immunocytochemistry-elisa/31171>