

Rabbit GJA7 Polyclonal Antibody | anti-GJC1 antibody

GJA7 Antibody (N-term)

CATALOG # AAA287712	HOST Rabbit	REACTIVITY Human Predicted Reactivity: Hamster, Mouse, Pig, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	---	--

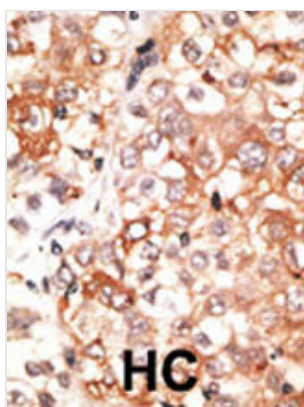
PRODUCT SYNONYMS

GJA7; Polyclonal Antibody; GJA7 Antibody (N-term); Gap junction gamma-1 protein; Connexin-45; Cx45; Gap junction alpha-7 protein; GJC1; anti-GJC1 antibody

PRODUCT SPECIFICATIONS

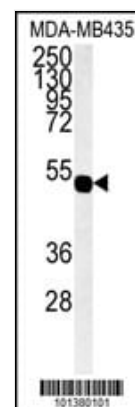
Host	Rabbit
Reactivity	Human Predicted Reactivity: Hamster, Mouse, Pig, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This GJA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-120 amino acids from the N-terminal region of human GJA7.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	89-120
Sequence Length	396
Applicable Applications for anti-GJC1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary 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; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of hGJA7-H104.Connexin in MDA-MB435 cell line lysates (35ug/lane).GJA7 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GJC1 antibody	Gap junctions were first characterized by electron microscopy as regionally specialized 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.
Product Categories/Family for anti-GJC1 antibody	Cardiovascular; Signal Transduction
References	Xiang, Q., et al., Ai Zheng 21(6):593-596 (2002). Kanter, H.L., et al., J. Mol. Cell. Cardiol. 26(7):861-868 (1994). Kaba, R.A., et al., Cell Commun. Adhes. 8 (4-6), 339-343 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	122939172
NCBI GeneID	10052
NCBI Accession #	NP_001073852.1; NP_005488.2
NCBI GenBank Nucleotide #	NM_001080383.1
UniProt Accession #	P36383; Q4VAY0; B3KW68
Molecular Weight	Calculated MW: 45470
NCBI Official Full Name	gap junction gamma-1 protein
NCBI Official Synonym Full Names	gap junction protein, gamma 1, 45kDa
NCBI Official Symbol	GJC1
NCBI Official Synonym Symbols	CX45; GJA7
NCBI Protein Information	gap junction gamma-1 protein
UniProt Protein Name	Gap junction gamma-1 protein
UniProt Gene Name	GJC1
UniProt Synonym Gene Names	GJA7; Cx45
UniProt Entry Name	CXG1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/gja7-antibody-immunohistochemistry-western-blot-elisa/287712>