Rabbit anti-Human Connexin 43 Monoclonal Antibody | anti-GJA1 antibody

Connexin 43 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282999	**Rabbit**	**Human**	**ELISA, Western Blot**

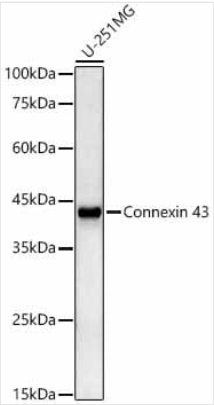
PRODUCT SYNONYMS

Connexin 43; Monoclonal Antibody; Connexin 43 Rabbit mAb; HSS; CMDR; CX43; EKVP; GJAL; ODDD; AVSD3; EKVP3; HLHS1; PPKCA; anti-GJA1 antibody

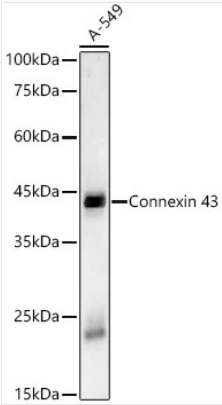
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	NYNKQASEQN WANYSAEQNR MGQAGSTISN SHAQPFDFPD DNQNSKKLAA GHELQPLAIV DQRPSSRASS RASSRPRPDD LEI
Applicable Applications for anti-GJA1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 300-382 of human Connexin 43 (NP_000156.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

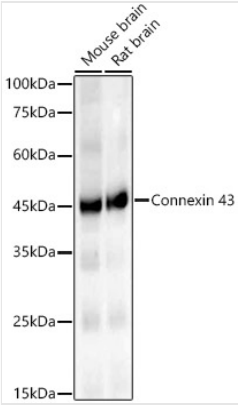
IMAGES



WB (Western Blot)
Western blot analysis of lysates from U-251 MG cells, using Connexin 43 Rabbit mAb (AAA282999) at 1:2000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



WB (Western Blot)
Western blot analysis of lysates from A549 cells, using Connexin 43 Rabbit mAb (AAA282999) at 1:2000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.



WB (Western Blot)
Western blot analysis of various lysates, using Connexin 43 Rabbit mAb (AAA282999) at 1:2000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-GJA1 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. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia, autosomal recessive craniometaphyseal dysplasia and heart malformations.
Product Categories/Family for anti-GJA1 antibody	Protein phosphorylation; Signal Transduction; Cell Biology Developmental Biology; Cell Adhesion; Cytoskeleton; Immunology Inflammation; Cardiovascular; Heart; Cardiac arrhythmias; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504001
NCBI GeneID	2697
NCBI Accession #	NP_000156.1
NCBI GenBank Nucleotide #	NM_000165.3
UniProt Accession #	P17302; Q6FHU1; Q9Y5I8; B2R5U9
Molecular Weight	Calculated MW: 43kDa Observed MW: 43kDa
UniProt Protein Name	Gap junction alpha-1 protein
UniProt Gene Name	**GJA1**
UniProt Synonym Gene Names	GJAL; Cx43
UniProt Entry Name	CXA1_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/monoclonal/connexin-43-antibody-western-blot-elisa/282999