

GJA1 Rabbit pAb

Catalog No.: A11752 **1 Publications**

Basic Information

Catalog No.

A11752

Observed MW

43kDa

Calculated MW

43kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

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 craniovertebral dysplasia and heart malformations.

Immunogen Information

Gene ID	Swiss Prot
2697	P17302

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 233-382 of human GJA1 (NP_000156.1).

Synonyms

GJA1;AVSD3;CMDR;CX43;EKVP;GJAL;HLHS1;HSS;ODDD;PPKCA;EKVP3

Product Information

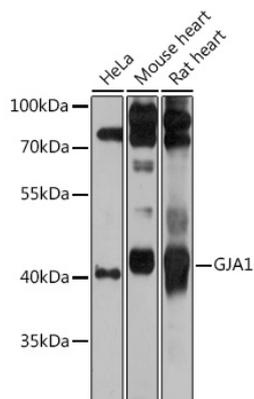
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using GJA1 antibody (A11752) at 1:1000 dilution.

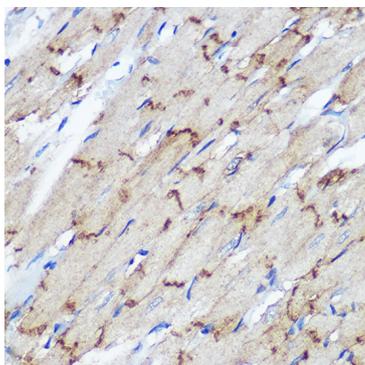
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

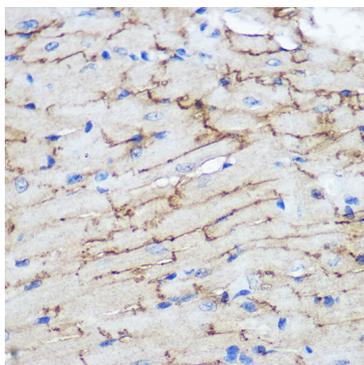
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

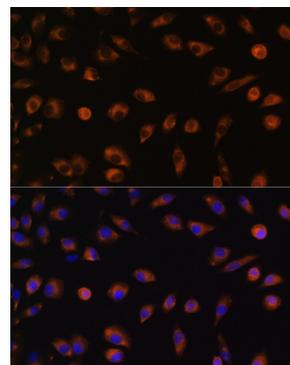
Exposure time: 30s.



Immunohistochemistry of paraffin-embedded Rat heart using GJA1 Rabbit pAb (A11752) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse heart using GJA1 Rabbit pAb (A11752) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of L929 cells using GJA1 Rabbit pAb (A11752) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.