

Product Name: Connexin-40 Rabbit Polyclonal Antibody**Catalog #: APRab09238**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	39kDa

Antigen Information

Gene Name	GJA5
Alternative Names	GJA5; Gap junction alpha-5 protein; Connexin-40; Cx40
Gene ID	2702.0
SwissProt ID	P36382
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human GJA5. AA range:21-70

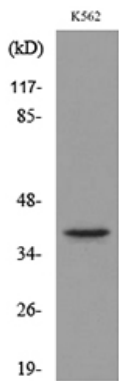
Background

This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed

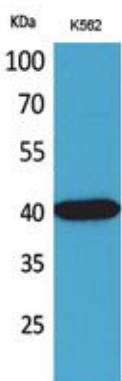
of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene may be associated with atrial fibrillation. Alternatively spliced transcript variants encoding the same isoform have been described. [provided by RefSeq, Jul 2008],disease:Defects in GJA5 are a cause of idiopathic atrial fibrillation [MIM:108770]. Atrial fibrillation (AF) is the most common cardiac arrhythmia and is characterized by rapid and irregular activation of the atrium.,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.,similarity:Belongs to the connexin family. Alpha-type (group II) subfamily.,subunit:A connexon is composed of a hexamer of connexins.,

Research Area

Image Data



Western blot analysis of lysate from K562 cells, using GJA5 Antibody.



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