

## **Connexin 37 Polyclonal Antibody**

Catalog No: YT1043

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: Connexin 37

Gene Name: GJA4

**Protein Name:** Gap junction alpha-4 protein

P35212

P28235

Human Gene Id: 2701

**Human Swiss Prot** 

No:

Mouse Gene Id: 14612

**Mouse Swiss Prot** 

No:

Rat Gene ld: 25655

Rat Swiss Prot No: Q03190

Immunogen: The antiserum was produced against synthesized peptide derived from human

GJA4. AA range:81-130

**Specificity:** Connexin 37 Polyclonal Antibody detects endogenous levels of Connexin 37

protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 37kD

**Background:** This gene encodes 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 have been associated with atherosclerosis

and a higher risk of myocardial infarction. [provided by RefSeq, Jul 2008],

**Function:** 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., similarity:Belongs to the connexin family. Alpha-type (group II) subfamily., subunit:A connexon is composed of a hexamer of connexins., tissue

specificity:Expressed in multiple organs and tissues, including heart, uterus,

ovary, and blood vessel endothelium.,

Subcellular Location :

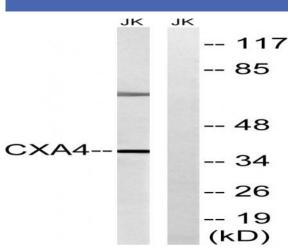
Cell membrane; Multi-pass membrane protein. Cell junction, gap junction.

**Expression:** 

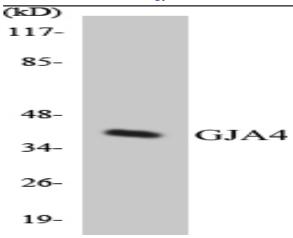
Expressed in multiple organs and tissues, including heart, uterus, ovary, and

blood vessel endothelium.

## **Products Images**



Western blot analysis of lysates from Jurkat cells, using GJA4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using GJA4 antibody.