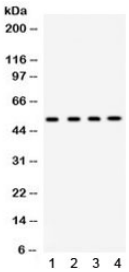
Connexin 46 Antibody / GJA3 (R32368)

Catalog No.	Formulation	Size
R32368	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9Y6H8
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This Connexin 46 antibody is available for research use only.



Western blot testing of 1) rat heart, 2) rat kidney, 3) human placenta, 4) mouse NIH3T3 lysate with Connexin 46 antibody. Predicted molecular weight ~46 kDa but can be observed 5-10 kDa higher (Ref 1).

Description

Gap junction alpha-3 protein, also known as Connexin-46, is a protein that in humans is encoded by the GJA3 gene. This gene is mapped to 13q12.11. The protein encoded by this gene is a connexin and is a component of lens fiber gap junctions. 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. Defects in this gene are a cause of zonular pulverulent cataract type 3 (CZP3).

Application Notes

Optimal dilution of the Connexin 46 antibody should be determined by the researcher.

Immunogen

Amino acids TLIYLGHVLHIVRMEEKKKEREEEEQLKRE of human GJA3/Connexin 46 were used as the immunogen for the Connexin 46 antibody.

Storage

After reconstitution, the Connexin 46 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

References (1)

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