

Product Name: Connexin 46 Rabbit Polyclonal Antibody**Catalog #: APRab09234**

For research use only.

Summary

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|----------------------|---|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | IHC, ICC/IF, 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 IHC 1:100-1:500, ICC/IF 1:100-1:500, ELISA 1:5000-1:20000

Molecular Weight

Antigen Information

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|--------------------------|--|
| Gene Name | GJA3 |
| Alternative Names | GJA3; Gap junction alpha-3 protein; Connexin-46; Cx46 |
| Gene ID | 2700.0 |
| SwissProt ID | Q9Y6H8 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human GJA3. AA range:151-200 |

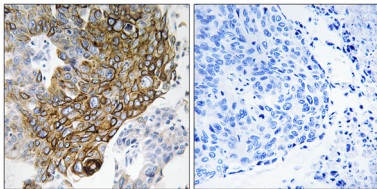
Background

The protein encoded by this gene is a connexin and is a component of lens fiber gap junctions. Defects in this gene are a cause

of zonular pulverulent cataract type 3 (CZP3). [provided by RefSeq, Jan 2010],disease:Defects in GJA3 are the cause of zonular pulverulent cataract type 3 (CZP3) [MIM:601885]. CZP3 is a form of autosomal dominant congenital cataract.,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. This particular connexin is a component of lens fiber gap junctions, can form both junctional and non-junctional ("hemi-") channels.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using GJA3 Antibody. The picture on the right is blocked with the synthesized peptide.