

## **Connexin 46 Polyclonal Antibody**

Catalog No: YT1048

**Reactivity:** Human; Mouse; Rat

**Applications:** IHC;IF;ELISA

Target: Connexin 46

Gene Name: GJA3

**Protein Name:** Gap junction alpha-3 protein

Q9Y6H8

Q64448

Human Gene ld: 2700

**Human Swiss Prot** 

No:

Mouse Gene ld: 14611

**Mouse Swiss Prot** 

No:

Rat Gene ld: 79217

Rat Swiss Prot No: P29414

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

GJA3. AA range:151-200

**Specificity:** Connexin 46 Polyclonal Antibody detects endogenous levels of Connexin 46

protein.

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

Source: Polyclonal, Rabbit, IgG

**Dilution:** IHC 1:100-500;IF ICC 1:100-500;ELISA 1:5000-20000

**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)

Molecularweight: 47kD

**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],

**Function:** 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.,

Subcellular Location:

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

**Expression:** Lens fibers,

Tag: orthogonal

**Sort**: 4422

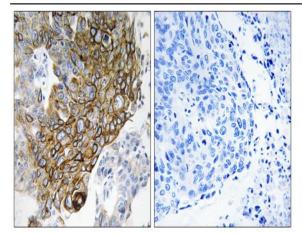
**No4**: 1

Host: Rabbit

Modifications: Unmodified

## **Products Images**

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