SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GJB3 antibody

Catalog Number: SL2383R

FOR RESEARCH USE ONLY

[DATASHEET]

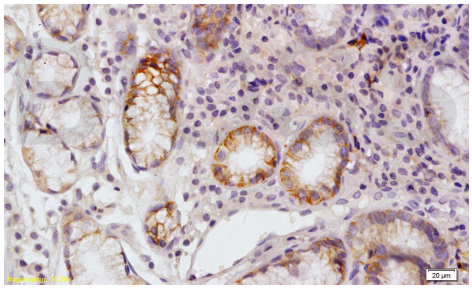
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GJB3
Immunogen:	KLH conjugated synthetic peptide derived from human Connexin-31: 51-150/270 <Cytoplasmic>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,GuineaPig)
Predicted MW.:	31kDa
Subcellular Location:	The cell membrane
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 can cause non-syndromic deafness or erythrokeratodermia variabilis, a skin disorder. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]. **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. **Subunit:** A connexon is composed of a hexamer of connexins. Interacts with CNST.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Cell membrane; Multi-pass membrane protein. Cell junction, gap junction. DISEASE: Defects in GJB3 are a cause of erythrokeratodermia variabilis (EKV) [MIM:133200]. EKV is a genodermatosis characterized by the appearance of two independent skin lesions: transient figurate erythematous patches and hyperkeratosis that is usually localized but occasionally occurs in its generalized form. Clinical presentation varies significantly within a family and from one family to another. Palmoplantar keratoderma is present in around 50% of cases. Defects in GJB3 are the cause of deafness autosomal dominant type 2B (DFNA2B) [MIM:612644]. DFNA2 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. **Similarity:** Belongs to the connexin family. Beta-type (group I) subfamily. **Database links:** **Entrez Gene:** 2707 Human **Entrez Gene:** 14620 Mouse **Entrez Gene:** 29585 Rat Omim: 603324 Human **SwissProt:** O75712 Human **SwissProt:** P28231 Mouse **SwissProt:** P25305 Rat **Unigene:** 522561 Human **Unigene:** 90003 Mouse **Unigene:** 162823 Rat

[VALIDATION IMAGES]



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

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Incubation: Anti-Connexin-31 Polyclonal Antibody, Unconjugated(SL2383R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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