

Datasheet for ABIN5536706
anti-GJA4 antibody (C-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	GJA4
Binding Specificity:	AA 303-333, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Connexin 37 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-333 amino acids from the C-terminal region of human Connexin 37.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	GJA4
Alternative Name:	Connexin 37 (GJA4 Products)
Background:	Gap junctions permit direct cell-to-cell passage of small cytoplasmic molecules, including ions, metabolic intermediates, and second messengers, and thereby mediate intercellular

Target Details

communication. Gap junction channels consist of connexin protein subunits encoded by a multigene family. Erythrokeratoderma variabilis (EKV) is an autosomal dominant disorder of keratinization characterized by migratory erythematous lesions and fixed keratotic plaques. Mutations in the GJB3 gene have been reported in some but not all families, although it has been postulated that the absence of connexin 30.3 can be compensated by other connexins.

Molecular Weight: 37 kDa

Gene ID: 2701

UniProt: [P35212](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.15 mg/mL

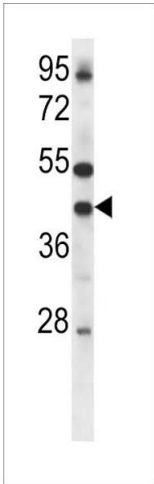
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

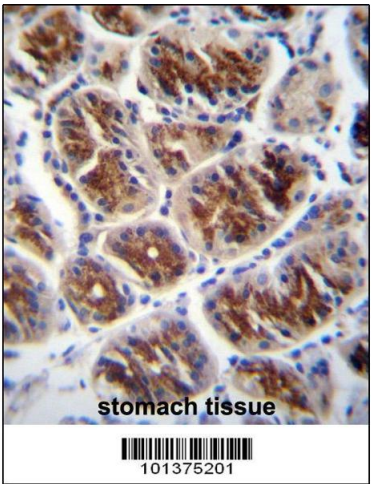
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western Blotting

Image 1. Western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the GJA4 antibody detected the GJA4 protein (arrow).



Immunohistochemistry

Image 2. Connexin 37 Antibody (GJA4) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Connexin 37 Antibody (GJA4) for immunohistochemistry.