

Anti-Connexin 32/GJB1 Antibody

Catalog # ABO10692

Product Information

Application	WB, IHC-P
Primary Accession	P08034
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Gap junction beta-1 protein(GJB1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	2705
Other Names	Gap junction beta-1 protein, Connexin-32, Cx32, GAP junction 28 kDa liver protein, GJB1, CX32
Calculated MW	32025
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Cell membrane; Multi-pass membrane protein. Cell junction, gap junction.
Source	Eukaryota
Protein Name	Gap junction beta-1 protein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Connexin 32/GJB1(215-231aa RACARRAQRRSNPPSRK), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

Sequence Similarities

freezing and thawing.
Belongs to the connexin family. Beta-type (group I) subfamily.

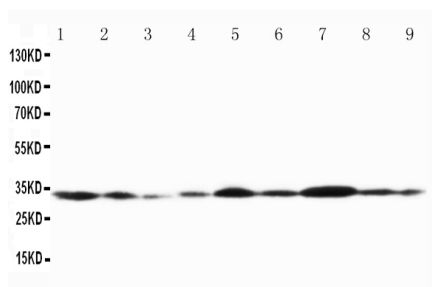
Protein Information

Name	GJB1
Synonyms	CX32
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.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, gap junction

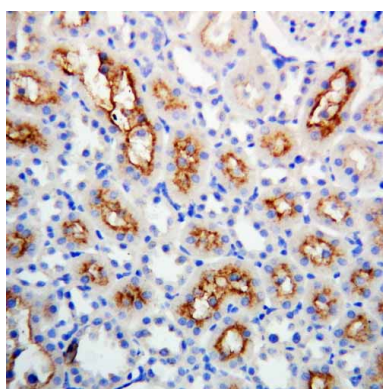
Background

Connexins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells(Bergoffen et al., 1993). For a general discussion of connexin proteins, also known as Gap junction beta-1 protein. Gap junction beta-1 protein is a protein that in humans is encoded by the GJB1 gene. In melanocytic cells GJB1 gene expression may be regulated by MITF.

Images



Anti-Connexin 32/GJB1 antibody, ABO10692, Western blotting
Lane 1: Rat Cardiac Muscle Tissue Lysate
Lane 2: Rat Cardiac Muscle Tissue Lysate
Lane 3: Rat Skeletal Muscle Tissue Lysate
Lane 4: Rat Brain Tissue Lysate
Lane 5: MCF-7 Cell Lysate
Lane 6: HELA Cell Lysate
Lane 7: SMMC Cell Lysate
Lane 8: JURKAT Cell Lysate
Lane 9: COLO320 Cell Lysate



Anti-Connexin 32/GJB1 antibody, ABO10692,
IHC(P)IHC(P):Rat Kidney Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.