

Rabbit GJB3 Polyclonal Antibody | anti-GJB3 antibody

GJB3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326853	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

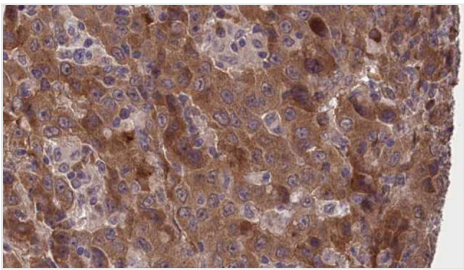
PRODUCT SYNONYMS

GJB3; Polyclonal Antibody; GJB3 Antibody; Connexin 31; Connexin-31; Connexin31; CX 31; Cx31; CXB3_HUMAN; DFNA 2; DFNA2; DFNA2B; EKV; FLJ22486; Gap junction beta 3 protein; Gap junction beta-3 protein; Gap junction protein beta 3 31kDa; Gap junction protein beta 3; GJB 3; Gjb3; MGC102938; anti-GJB3 antibody

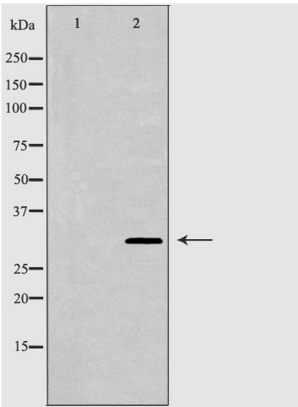
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GJB3 antibody detects endogenous levels of total GJB3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	270
Applicable Applications for anti-GJB3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human GJB3
Subcellular Location	Cell Membrane. Cell Junction > Gap Junction.
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (100%), Bovine (100%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326853 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Mouse brain tissue lysate, using GJB3 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GJB3 antibody	Description: 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 erythrokeratoderma variabilis, a skin disorder. Alternative splicing results in multiple transcript variants encoding the same protein. 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 Structure: A connexon is composed of a hexamer of connexins. Interacts with CNST (By similarity). Similarity: Belongs to the connexin family. Beta-type (group I) subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54607056
NCBI GeneID	2707
NCBI Accession #	NP_001005752.1
NCBI GenBank Nucleotide #	NM_001005752.1
UniProt Accession #	O75712; Q2TAZ8; B2R790
Molecular Weight	Observed: 31 kDa Predicted: 31 kDa
NCBI Official Full Name	gap junction beta-3 protein
NCBI Official Synonym Full Names	gap junction protein beta 3
NCBI Official Symbol	GJB3
NCBI Official Synonym Symbols	EKV; CX31; DFNA2; EKVP1; DFNA2B
NCBI Protein Information	gap junction beta-3 protein
UniProt Protein Name	Gap junction beta-3 protein
UniProt Gene Name	GJB3
UniProt Synonym Gene Names	CX31; Cx31

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

