

Rabbit GJB2 Polyclonal Antibody | anti-GJB2 antibody

GJB2 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198098	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep	Western Blot

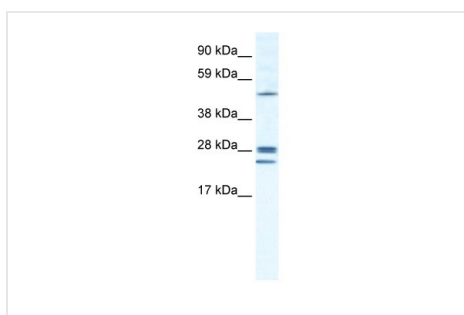
PRODUCT SYNONYMS

GJB2; Polyclonal Antibody; GJB2 antibody - middle region; anti-GJB2 antibody

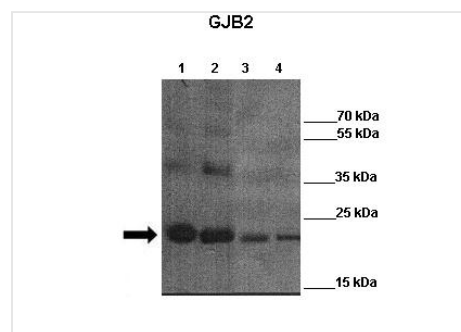
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ST PALLVAMHVA YRRHEKKRKFK IKGEIKSEFK DIEEIKTQKV RIEGSLWW
Sequence Length	226
Applicable Applications for anti-GJB2 antibody	WB (Western Blot)
Homology	Cow: 86%; Dog: 100%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 79%; Rat: 93%; Sheep: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GJB2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-GJB2 Antibody Titration: 1.25ug/ml
ELISA Titer: 1:62500
Positive Control: Human Lung


WB (Western Blot)

WB Suggested Anti-GJB2 Antibody
Positive Control: Lane 1: 4ug mCx26 elution fraction 6
Lane 2: 4ug mCx26 elution fraction 7
Lane 3: 4ug mCx26 elution fraction 6 + other Cx26 antibody
Lane 4: 4ug mCx26 elution fraction 7 + other Cx26 antibody
Primary Antibody Dilution : 1:3000
Secondary Antibody : Anti-rabbit-HRP
Secondary Antibody Dilution : 1:3000
Submitted by: Juan Zou, Georgia state university

ADDITIONAL INFORMATION

Related Product Information for anti-GJB2 antibody	This is a rabbit polyclonal antibody against GJB2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Gap junctions were first characterized by electron microscopy as regionally specialized structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell channels. Proteins, called connexins, purified from fractions of enriched gap junctions from different tissues differ. The connexins are designated by their molecular mass. Another system of nomenclature divides gap junction proteins into 2 categories, alpha and beta, according to sequence similarities at the nucleotide and amino acid levels. For example, CX43 (MIM 121014) is designated alpha-1 gap junction protein, whereas CX32 (GJB1; MIM 304040) and CX26 are called beta-1 and beta-2 gap junction proteins, respectively. This nomenclature emphasizes that CX32 and CX26 are more homologous to each other than either of them is to CX43.
Product Categories/Family for anti-GJB2 antibody	Polyclonal; Signal Proteins; Chromatin & Nuclear Signaling; Membrane & Traffic

NCBI AND UNIPROT INFORMATION

NCBI GI #	42558283
NCBI GeneID	2706
NCBI Accession #	NP_003995
NCBI GenBank Nucleotide #	NM_004004
UniProt Accession #	P29033
Molecular Weight	25kDa
NCBI Official Full Name	gap junction beta-2 protein
NCBI Official Synonym Full Names	gap junction protein beta 2
NCBI Official Symbol	GJB2
NCBI Official Synonym Symbols	HID; KID; PPK; CX26; DFNA3; DFNB1; NSRD1; DFNA3A; DFNB1A
NCBI Protein Information	gap junction beta-2 protein
UniProt Protein Name	Gap junction beta-2 protein
UniProt Gene Name	GJB2
UniProt Synonym Gene Names	Cx26
UniProt Entry Name	CXB2_HUMAN

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.