

Rabbit GJB2 Polyclonal Antibody | anti-GJB2 antibody

GJB2 Antibody (C-term)

CATALOG # AAA288861	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Bovine)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

GJB2; Polyclonal Antibody; GJB2 Antibody (C-term); Gap junction beta-2 protein; Connexin-26; Cx26; anti-GJB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GJB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 204-226 amino acids from the C-terminal region of human GJB2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	204-226
Sequence Length	226
Applicable Applications for anti-GJB2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of hGJB2-C218.Connexin in mouse brain tissue lysates (35ug/lane). GJB2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GJB2 antibody	Gap junctions are conduits that allow the direct cell-to-cell passage of small cytoplasmic molecules, including ions, metabolic intermediates, and second messengers, and thereby mediate intercellular metabolic and electrical communication. Gap junction channels consist of connexin protein subunits, which are encoded by a multigene family. GJBs (gap-junction proteins or connexins) play crucial functional roles associated with these channels. Immunohistochemical staining of human cochlear cells demonstrated high levels of GJB2 expression. Mutations in GJB2 are associated with genetically derived hearing impairments, including autosomal recessive nonsyndromic deafness.
Product Categories/Family for anti-GJB2 antibody	Neuroscience; Signal Transduction
References	Ohtsuka, A., et al., Hum. Genet. 112(4):329-333 (2003). Yotsumoto, S., et al., Br. J. Dermatol. 148(4):649-653 (2003). Uyguner, O., et al., Clin. Genet. 62(4):306-309 (2002). Richard, G., et al., Am. J. Hum. Genet. 70(5):1341-1348 (2002). Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	42558283
NCBI GeneID	2706
NCBI Accession #	NP_003995.2
NCBI GenBank Nucleotide #	NM_004004.5
UniProt Accession #	P29033; Q508A5; Q508A6; Q5YLL0; Q5YLL1; Q5YLL4; Q6IPV5; Q86U88; Q96AK0; Q9H536; Q9NNY4
Molecular Weight	26215
NCBI Official Full Name	gap junction beta-2 protein
NCBI Official Synonym Full Names	gap junction protein, beta 2, 26kDa
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.