

Rabbit anti-Human Connexin 31 Polyclonal Antibody | anti-GJB3 antibody

Connexin 31 Antibody (C-term)

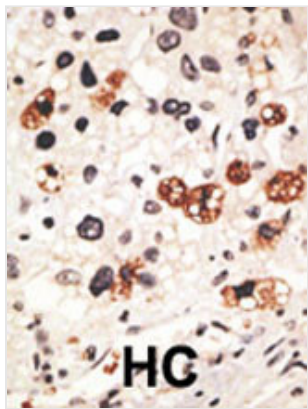
CATALOG # AAA287559	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

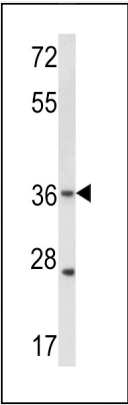
Connexin 31; Polyclonal Antibody; Connexin 31 Antibody (C-term); Gap junction beta-3 protein; Connexin-31; Cx31; GJB3; CX31; anti-GJB3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Connexin 31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 227-257 amino acids from the C-terminal region of human Connexin 31.
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	227-257
Sequence Length	270
Applicable Applications for anti-GJB3 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.



IHC (Immunohiostchemistry)
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 hGJB3-C241 in WiDr cell line lysates (35ug/lane). GJB3 (arrow) was detected using the purified Pab.(2ug/ml)

ADDITIONAL INFORMATION

Related Product Information for anti-GJB3 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. Defects in GJB3 have been linked to erythrokeratoderma variabilis (EKV) is an autosomal dominant genodermatosis characterized by transient figurate red patches or hyperkeratosis. Mutations in GJB2 have also been associated with genetically derived hearing impairments, including autosomal recessive nonsyndromic deafness.
Product Categories/Family for anti-GJB3 antibody	Neuroscience; Signal Transduction
References	Mhatre, A.N., et al., Clin. Genet. 63(2):154-159 (2003). Diestel, S., et al., Biochem. Biophys. Res. Commun. 296(3):721-728 (2002). Di, W.L., et al., Hum. Mol. Genet. 11(17):2005-2014 (2002). Gottfried, I., et al., Hum. Mol. Genet. 11(11):1311-1316 (2002). Wenzel, K., et al., Biochem. Biophys. Res. Commun. 248(3):910-915 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607056
NCBI GeneID	2707
NCBI Accession #	NP_001005752.1; NP_076872.1
NCBI GenBank Nucleotide #	NM_001005752.1
UniProt Accession #	O75712; Q2TAZ8; B2R790
Molecular Weight	30818
NCBI Official Full Name	gap junction beta-3 protein
NCBI Official Synonym Full Names	gap junction protein, beta 3, 31kDa
NCBI Official Symbol	GJB3
NCBI Official Synonym Symbols	EKV; CX31; DFNA2; 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
UniProt Entry Name	CXB3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/connexin-31-antibody-immunohistochemistry-western-blot-elisa/287559>