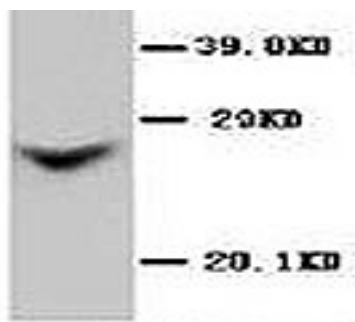


Rabbit polyclonal antibody to Connexin-26 (211-226): Affinity purified

Catalogue No.:	R-1005-100
Description:	A gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexins, through which materials of low molecular weight diffuse from one cell to a neighbouring cell. Each connexin is composed of a hexamer of connexin proteins. Connexins are a multi-gene family of highly related proteins. At least a dozen distinct connexin genes have been identified and many are expressed in a tissue-specific manner. Two distinct lineages, class I (beta) and class II (alpha), have been identified in mammals. Connexin-26 belongs to the class 1 (beta) group of connexins. Mutations in Connexin-26 are associated with genetically derived hearing impairments, including autosomal recessive non syndromic deafness.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (CYLFIRYCSGKSRPV) corresponding to the amino acid sequence 211-226 from rat Connexin-26.
Other Names:	GJB2; Cx26; Gap junction beta-2 protein;
Accession:	P21994 CXB2_RAT; P29033 CXB2_HUMAN
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. The predicted length of rat Connexin-26 is 226 residues and MW of 26 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; mouse; rat; rabbit;
Form:	Liquid (0.5ml). 50% glycerol, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄
Reconstitution:	The liquid formulation should be diluted in PBS (pH 7.4)
Storage:	After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase



Western blot of Connexin 26 antibody R-1005-100 at 1-2 µg/ml in rat liver sections. Secondary antibody HRP conjugated goat anti-rabbit IgG at 1:3000 dilution.

FOR RESEARCH USE ONLY