Best Tools for immunology Research

Connexin-32 Polyclonal Antibody

Catalog No :	YT1051
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Connexin-32
Gene Name :	GJB1
Protein Name :	Gap junction beta-1 protein
Human Gene Id :	2705
Human Swiss Prot No :	P08034
Mouse Gene Id :	14618
Mouse Swiss Prot No :	P28230
Rat Gene Id :	29584
Rat Swiss Prot No :	P08033
Immunogen :	The antiserum was produced against synthesized peptide derived from human Connexin-32. AA range:66-115
Specificity :	Connexin-32 Polyclonal Antibody detects endogenous levels of Connexin-32 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 32kD

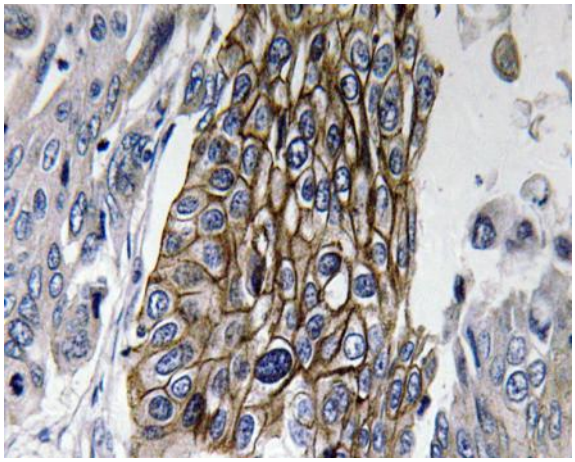
Background : This gene encodes a member of the gap junction protein family. The gap junction proteins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2008],

Function : disease:Defects in GJB1 are the cause of Charcot-Marie-Tooth disease X-linked type 1 (CMTX1) [MIM:302800]; also designated CMT-X. CMTX1 is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathies characterized by severely reduced motor nerve conduction velocities (NCVs) (less than 38m/s) and segmental demyelination and remyelination, and primary peripheral axonal neuropathies characterized by normal or mildly reduced NCVs and chronic axonal degeneration and regeneration on nerve biopsy. CMTX1 has both demyelinating and axonal features. Central nervous system involvement may occur.,disease:Defects in GJB1 may contribute to the phenotype of Dejerine-Sottas syndrome (DSS

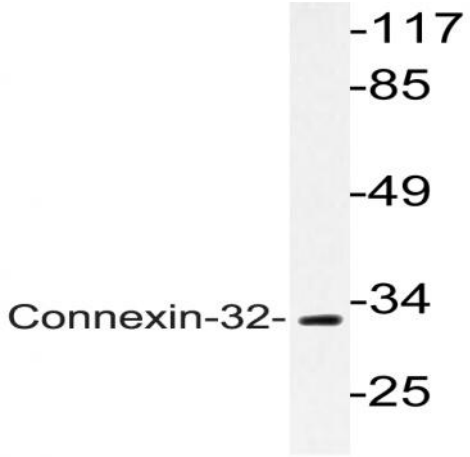
Subcellular Location : Cell membrane; Multi-pass membrane protein. Cell junction, gap junction.

Expression : Liver,Placenta,Skin,Subthalamic nucleus,

Products Images



Immunohistochemistry analysis of Connexin-32 antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from LOVO cells, using Connexin-32 antibody.