Product Datasheet

GJB6 Antibody

Catalog No: #31190

Package Size: #31190-1 50ul #31190-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GJB6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total GJB6 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 230-245 amino acids of Human Gap junction beta-6 protein
Target Name	GJB6
Other Names	Gap junction beta-6 protein, ED2, EDH, HED, CX30, DFNA3, DFNA3B, DFNB1B
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

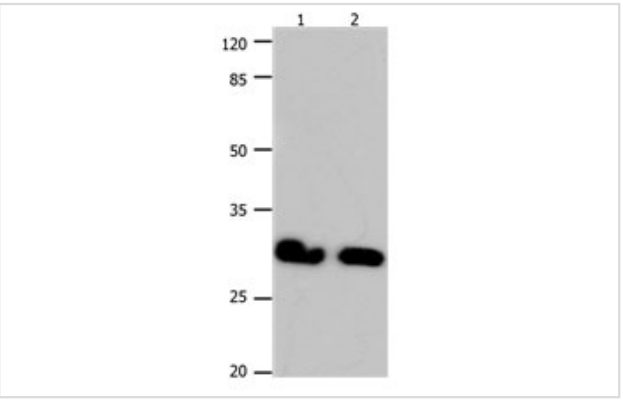
Predicted MW: 30kd

ELISA: 1:1000-1:5000

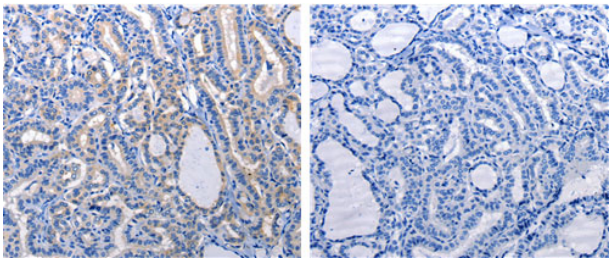
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:10-1:50

Images



Gel: 10%SDS-PAGE
Lane1: 293T cell lysate
Lane2: Hela cell lysate
Lysates: 24 ug per lane
Primary antibody: 1/600 dilution
Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/5000 dilution
Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 31190(GJB6 Antibody) at dilution 1/15, on the right is treated with the synthetic peptide.

Background

Gap junctions allow the transport of ions and metabolites between the cytoplasm of adjacent cells. They are formed by two hemichannels, made up of six connexin proteins assembled in groups. Each connexin protein has four transmembrane segments, two extracellular loops, a cytoplasmic loop formed between the two inner transmembrane segments, and the N- and C-terminus both being in the cytoplasm. The specificity of the gap junction is determined by which connexin proteins comprise the hemichannel. In the past, connexin protein names were based on their molecular weight, however the new nomenclature uses sequential numbers based on which form (alpha or beta) of the gap junction is present. This gene encodes one of the connexin proteins. Mutations in this gene have been found in some forms of deafness and in some families with hidrotic ectodermal dysplasia.

Note: This product is for in vitro research use only