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Connexin-26 Polyclonal Antibody

Catalog # AP63673

Product Information

Application	IHC-P
Primary Accession	P29033
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26215

Additional Information

Gene ID	2706
Other Names	GJB2; Gap junction beta-2 protein; Connexin-26; Cx26
Dilution	IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

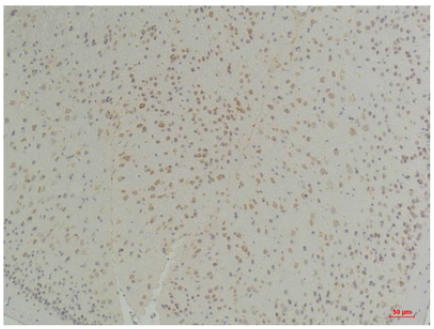
Protein Information

Name	GJB2
Function	Structural component of gap junctions (PubMed: 16849369, PubMed:17551008, PubMed:19340074, PubMed:19384972, PubMed:21094651, PubMed:26753910). Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (PubMed:17551008, PubMed:19340074, PubMed:21094651, PubMed:26753910). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed:16849369, PubMed:19384972, PubMed:21094651).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, gap junction. Note=Colocalizes with GJB4 at gap junction plaques in the cochlea. {ECO:0000250|UniProtKB:Q00977}

Background

One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

Images



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using Connexin-26Rabbit pAb diluted at 1:200.