

# Connexin-26 Polyclonal Antibody

Catalog # AP69233

## Product Information

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|-------------------|------------------------|
| Application       | WB, E                  |
| Primary Accession | <a href="#">P29033</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 26215                  |

## Additional Information

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|--------------------|-----------------------------------------------------------------------------------------------|
| Gene ID            | 2706                                                                                          |
| Other Names        | GJB2; Gap junction beta-2 protein; Connexin-26; Cx26                                          |
| Dilution           | WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. E~~N/A |
| Format             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.                 |
| Storage Conditions | -20°C                                                                                         |

## Protein Information

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | GJB2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Function          | Structural component of gap junctions (PubMed: <a href="#">16849369</a> , PubMed: <a href="#">17551008</a> , PubMed: <a href="#">19340074</a> , PubMed: <a href="#">19384972</a> , PubMed: <a href="#">21094651</a> , PubMed: <a href="#">26753910</a> ). 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: <a href="#">17551008</a> , PubMed: <a href="#">19340074</a> , PubMed: <a href="#">21094651</a> , PubMed: <a href="#">26753910</a> ). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed: <a href="#">16849369</a> , PubMed: <a href="#">19384972</a> , PubMed: <a href="#">21094651</a> ). |
| 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

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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

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Western Blot analysis of various cells using Connexin-26  
Polyclonal Antibody diluted at 1 : 500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.